

# JVC

## SERVICE MANUAL

LCD FLAT TELEVISION

**LT-17AX5, LT-17AX5<sub>/s</sub>, LT-17AX5<sub>/A</sub>,  
LT-23AX5, LT-23AX5<sub>/s</sub>, LT-23AX5<sub>/A</sub>**



### TABLE OF CONTENTS

1	PRECAUTION.....	1-3
2	SPECIFIC SERVICE INSTRUCTIONS.....	1-5
3	DISASSEMBLY .....	1-6
4	ADJUSTMENT .....	1-21
5	TROUBLESHOOTING .....	1-22

# SPECIFICATION

Item		Contents	
		LT-17AX5	LT-23AX5
Dimensions (W × H × D)		54.1cm × 41.6cm × 9.2cm (TV only) 54.1cm × 47.7cm × 12.6cm (Included Stand)	
Mass		9.0kg (TV only) 10.2kg (Included Stand)	
TV RF System		CCIR B/G, I, D/K, L	
Color System		PAL / SECAM / NTSC3.58 / NTSC4.43	
Sound System		A2 (B/G, D/K), NICAM (B/G, I, D/K), NTSC-M	
Teletext System		FLOF (Fastext), WST (World Standard System)	
TV Receiving Channels	VHF Low VHF High UHF CATV	48.25MHz ~ 158MHz 160MHz ~ 442MHz 442MHz ~ 863.25MHz Mid : X ~ Z+2, S1 ~ S10 Super : S11 ~ S20 Hyper : S21 ~ S41	
Power Input	TV AC Adapter	DC 12V AC 110V ~ AC 240V, 50Hz / 60Hz	DC 24V AC 110V ~ AC 240V, 50Hz / 60Hz
Power Consumption		60W (Stand-by : 1W)	120W (Stand-by : 1W)
LCD Panel		17V wide aspect (15 : 9)	23V wide aspect (15 : 9)
Screen Size		Diagonal : 43.4cm (H : 37.3cm × V : 22.4cm)	Diagonal : 58.5cm (H : 50.2cm × V : 30.1cm)
Display Pixels		Horizontal : 1280 pixels x Vertical : 768 pixels (W-XGA)	
Audio Power Output		3W + 3W	5W + 5W
Speaker		5.4cm round type × 2	
Antenna Terminal		75Ω unbalanced, coaxial	
Video/Audio Input	[VIDEO-1] S-Video  Video Audio [VIDEO-2] Component Video Audio	Mini-DIN 4pin × 1 Y : 1V(p-p), positive (negative sync), 75Ω C : 0.286V(p-p), (Burst signal), 75Ω 1V(p-p), positive (negative sync), 75Ω, RCA pin jack × 1 500mV(rms), high inpedance, RCA pin jack × 2 RCA pin jack × 3 Y : 1V(p-p), positive (negative sync), 75Ω Pb/Pr : 0.7V(p-p), 75Ω 500mV(rms), high inpedance, RCA pin jack × 2	
PC(VGA)Input	VGA Input Audio	D-sub 15pin × 1 3.5mm mini jack	
Headphone		3.5mm mini jack × 1	
Remote Control Unit		RM-C1860 (AA/R6/UM-3 battery × 2)	
AC Adapter		DA-E061370334	DA-E056706411

**NOTE : Design & specifications are subject to change without notice.**

# SECTION 1

## PRECAUTION

### 1.1 SAFETY PRECAUTIONS

- (1) The design of this product contains special hardware, many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Service should be performed by qualified personnel only.
- (2) Alterations of the design or circuitry of the products should not be made. Any design alterations or additions will void the manufacturer's warranty and will further relieve the manufacturer of responsibility for personal injury or property damage resulting therefrom.
- (3) Many electrical and mechanical parts in the products have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the parts list of Service manual. **Electrical components having such features are identified by shading on the schematics and by (  $\Delta$  ) on the parts list in Service manual.** The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement part shown in the parts list of Service manual may cause shock, fire, or other hazards.
- (4) **Don't short between the LIVE side ground and ISOLATED (NEUTRAL) side ground or EARTH side ground when repairing.**  
Some model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE : (  $\perp$  ) side GND, the ISOLATED (NEUTRAL) : (  $\equiv$  ) side GND and EARTH : (  $\oplus$  ) side GND.  
Don't short between the LIVE side GND and ISOLATED (NEUTRAL) side GND or EARTH side GND and never measure the LIVE side GND and ISOLATED (NEUTRAL) side GND or EARTH side GND at the same time with a measuring apparatus (oscilloscope etc.). If above note will not be kept, a fuse or any parts will be broken.
- (5) When service is required, observe the original lead dress. Extra precaution should be given to assure correct lead dress in the high voltage circuit area. Where a short circuit has occurred, those components that indicate evidence of overheating should be replaced. Always use the manufacturer's replacement components.
- (6) Do not check high voltage by drawing an arc. Use a high voltage meter or a high voltage probe with a VTVM. Discharge the picture tube before attempting meter connection, by connecting a clip lead to the ground frame and connecting the other end of the lead through a 10k $\Omega$  2W resistor to the anode button.

### (7) Isolation Check (Safety for Electrical Shock Hazard)

After re-assembling the product, always perform an isolation check on the exposed metal parts of the cabinet (antenna terminals, video/audio input and output terminals, Control knobs, metal cabinet, screw heads, earphone jack, control shafts, etc.) to be sure the product is safe to operate without danger of electrical shock.

#### a) Dielectric Strength Test

The isolation between the AC primary circuit and all metal parts exposed to the user, particularly any exposed metal part having a return path to the chassis should withstand a voltage of 3000V AC (r.m.s.) for a period of one second. ( . . . Withstand a voltage of 1100V AC (r.m.s.) to an appliance rated up to 120V, and 3000V AC (r.m.s.) to an appliance rated 200V or more, for a period of one second.) This method of test requires a test equipment not generally found in the service trade.

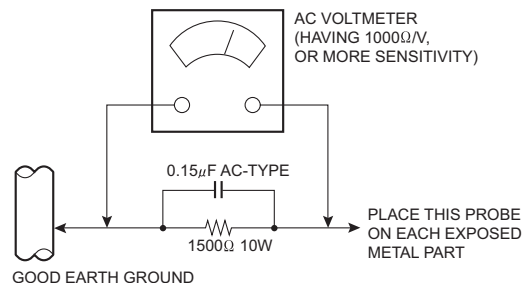
#### b) Leakage Current Check

Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Using a "Leakage Current Tester", measure the leakage current from each exposed metal part of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground (water pipe, etc.). Any leakage current must not exceed 0.5mA AC (r.m.s.). However, in tropical area, this must not exceed 0.2mA AC (r.m.s.).

#### Alternate Check Method

Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Use an AC voltmeter having 1000 $\Omega$  per volt or more sensitivity in the following manner. Connect a 1500 $\Omega$  10W resistor paralleled by a 0.15 $\mu$ F AC-type capacitor between an exposed metal part and a known good earth ground (water pipe, etc.). Measure the AC voltage across the resistor with the AC voltmeter. Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. Any voltage measured must not exceed 0.75V AC (r.m.s.). This corresponds to 0.5mA AC (r.m.s.).

However, in tropical area, this must not exceed 0.3V AC (r.m.s.). This corresponds to 0.2mA AC (r.m.s.).



## 1.2 INSTALLATION

### 1.2.1 HEAT DISSIPATION

If the heat dissipation vent behind this unit is blocked, cooling efficiency may deteriorate and temperature inside the unit will rise. Therefore, please make sure pay attention not to block the heat dissipation vent as well as the ventilation outlet behind the unit and ensure that there is room for ventilation around it.

### 1.2.2 INSTALLATION REQUIREMENTS

Ensure that the minimal distance is maintained, as specified below, between the unit with and the surrounding walls.

Install the unit on stable flooring or stands.

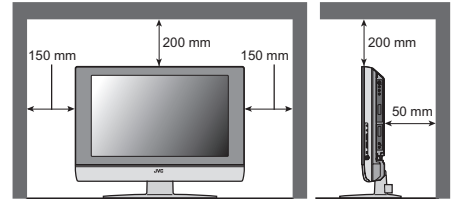
Take precautionary measures to prevent the unit from tipping in order to protect against accidents and earthquakes.

#### Distance recommendations

Avoid improper installation and never position the unit where good ventilation is impossible.

When installing this TV, distance recommendations must be maintained between the set and the wall, as well as inside a tightly enclosed area or piece of furniture.

Keep to the minimum distance guidelines shown for safe operation.



## 1.3 PRECAUTIONS

- (1) The picture brightness may become uneven on the entire screen according to the environmental temperature. Be sure to use your monitor set in a specified temperature range for proper display presentation.
- (2) Avoid disturbing the heat dissipation from the vent holes provided in the rear, on the top and at the sides. Failure to do so may result in damaged electronics inside due to the accumulated heat within the unit.
- (3) Be sure to install the unit in a well-ventilated place. Also make sure that the ambient temperature is kept in the range of 0 to 35°C.
- (4) Avoid operation or storage in high temperature and humidity that exceed the specified limit. Otherwise, the display presentation may be deteriorated.
- (5) This monitor may display a blurred picture when exposed to an extreme environmental conditions. This phenomenon is due to an intrinsic characteristic of the Liquid Crystal Display (LCD). This is not the failure.
- (6) This monitor display uses a Cold Cathode Tube as a backlighting device. The brilliance of this tube (and the monitor display) may be degraded by time.

## 1.4 CAUTIONS FOR TRANSPORTATION

The goods may be damaged during transportation caused by poor handling such as throwing, toppling, dropping, etc, giving an excess force against the LCD device. This may happen even if the packing is rigid and secured. To avoid such adverse situations, give a proper instruction to the freighter for secured handling. The LCD panel uses a glass plate, which is very fragile against an external force. Take utmost care to avoid vibration or shock to the panel.



## **SECTION 2**

### **SPECIFIC SERVICE INSTRUCTIONS**

#### **2.1 ABOUT LIQUID CRYSTAL DISPLAY**

##### **2.1.1 STRUCTURE OF LIQUID CRYSTAL PANEL**

The Liquid Crystal Display used for this unit is of a TFT (Thin Film Transistor) type panel. The structure of this panel is that a TFT array-formed substrate and the stripe pixel matrix type color filter substrate are pressed together with a liquid crystal filled in between these materials.

##### **2.1.2 LONG-TERM AFTERIMAGE ON THE LCD**

A minute amount of ionic material could be mingled into a liquid crystal substrate in the manufacturing process. By applying the electricity to the panel the ionic material may be migrated towards one part of the electrodes, causing a long-term afterimage to be displayed. In practice, when a still image is displayed for a long time, the afterimage may be developed and persisted. To cure this problem, turn off the unit and then turn on again and arrange displaying an appropriate still image on the portion where the afterimage is being superimposed.

##### **2.1.3 RESPONSE SPEED OF THE LCD**

The LCD is slower than the CRT in terms of the display refresh rate, causing a fast moving picture may be displayed blurred. This is not fault but caused by an intrinsic characteristic of the LCD.

##### **2.1.4 VIEWING ANGLE OF THE LCD**

This LCD uses a wide-angle liquid crystal panel, featuring a low rate of the brightness inversion. When viewed from a far outer angle, the screen may be displayed with hue variation. Again, this is not fault but caused by an intrinsic characteristic of the LCD.

##### **2.1.5 PIXEL DEFICIENCY OF THE LCD**

The liquid crystal panel is manufactured with precise engineering procedure. However, there is a possibility of yielding a little amount of defective pixels in part on the panel. This is unavoidable feature even if the latest technology is being used for manufacturing the LCD module.

#### **2.2 IMPORTANT NOTICE WHEN REPLACING COMPONENT PARTS**

##### **2.2.1 REPLACING THE LCD MODULE**

- (1) The LCD panel is fragile against the static charge. Be sure to take an appropriate grounding using a grounding-strap etc. when to replace the LCD panel.
- (2) The LCD is made of glass, which is fragile against the mechanical shock. Use utmost care when handling the LCD panel.
- (3) When replacing the panel, first place the panel on the base chassis and then make sure that there is no gap in between the panel and the chassis. Fix the panel with fixing screws. Turn the unit on with an all-black signal being put in and check if the brightness is even on the entire screen. If the brightness is not even in some part, slacken the fixing screw nearby until the brightness becomes even with other parts.
- (4) A tightening torque for the fixing screws must be set to 0.294Nm or the less. Applying the torque larger than this limit may result in the damage on the LCD panel.
- (5) Connecting or disconnecting the plugs with the set is being powered may cause the malfunction of the set. Makes sure that the AC power plug is disconnected from the power source when attempting the replacement work.

##### **2.2.2 REPLACING THE FUSE**

Be sure to use the rated fuse. After replacing the fuse, confirm that the insulator is stuck on the shielding surface for secure insulation.

## SECTION 3 DISASSEMBLY

### 3.1 DISASSEMBLY PROCEDURE

#### CAUTION:

- Prior to disassembly, unplug the power cord and AC adapter from the AC outlet without fail. (Turn the power "off".)
- When exchanging parts etc. with the front side (LCD side) facing down, please place a protection sheet below before starting, so as to prevent scratches on the front side.

#### 3.1.1 REMOVING THE CABLE COVER (L/R) AND NECK COVER (Fig.1)

- (1) Remove the 4 claws [A].
- (2) Remove the CABLE COVER (L), CABLE COVER (R) and NECK COVER.

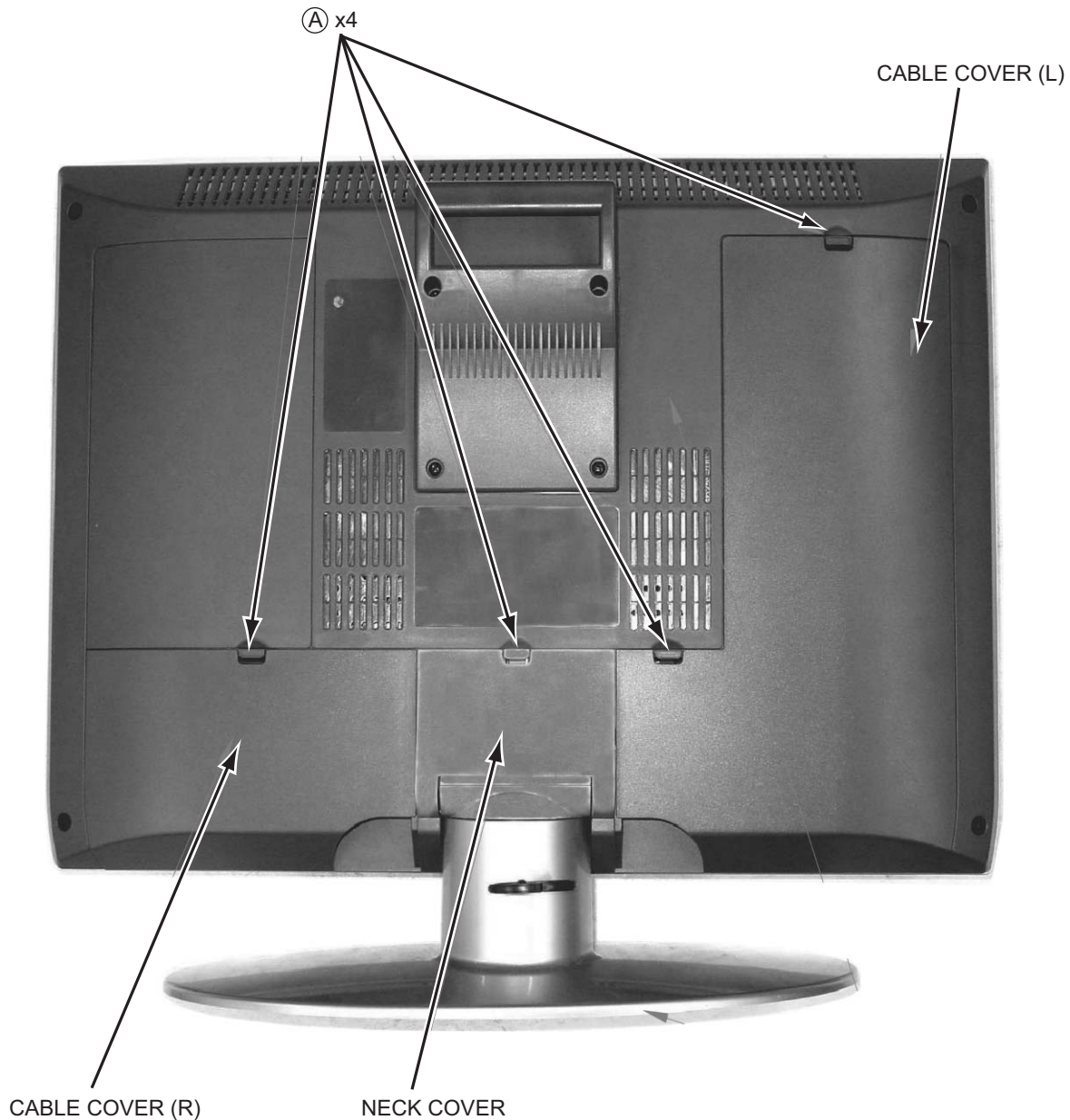


Fig.1

### 3.1.2 REMOVING THE STAND ASS'Y (Fig.2)

- Remove the NECK COVER.  
(1) Remove the 4 screws [B] and remove the STAND ASS'Y.

### 3.1.3 REMOVING THE TUNER MODULE (Fig.2)

- Remove the CABLE COVER (R).  
(1) Remove the DUMMY COVER by pulling the claw [C].  
(2) Remove the 1 claw [C] and remove the TUNER COVER.  
(3) Remove the TUNER MODULE by pulling carefully.

### 3.1.4 REMOVING THE AV JACK MODULE (Fig.2)

- Remove the CABLE COVER (L).  
(1) Loosen the 2 screws [D].  
(2) Remove the AV JACK MODULE by pulling carefully.

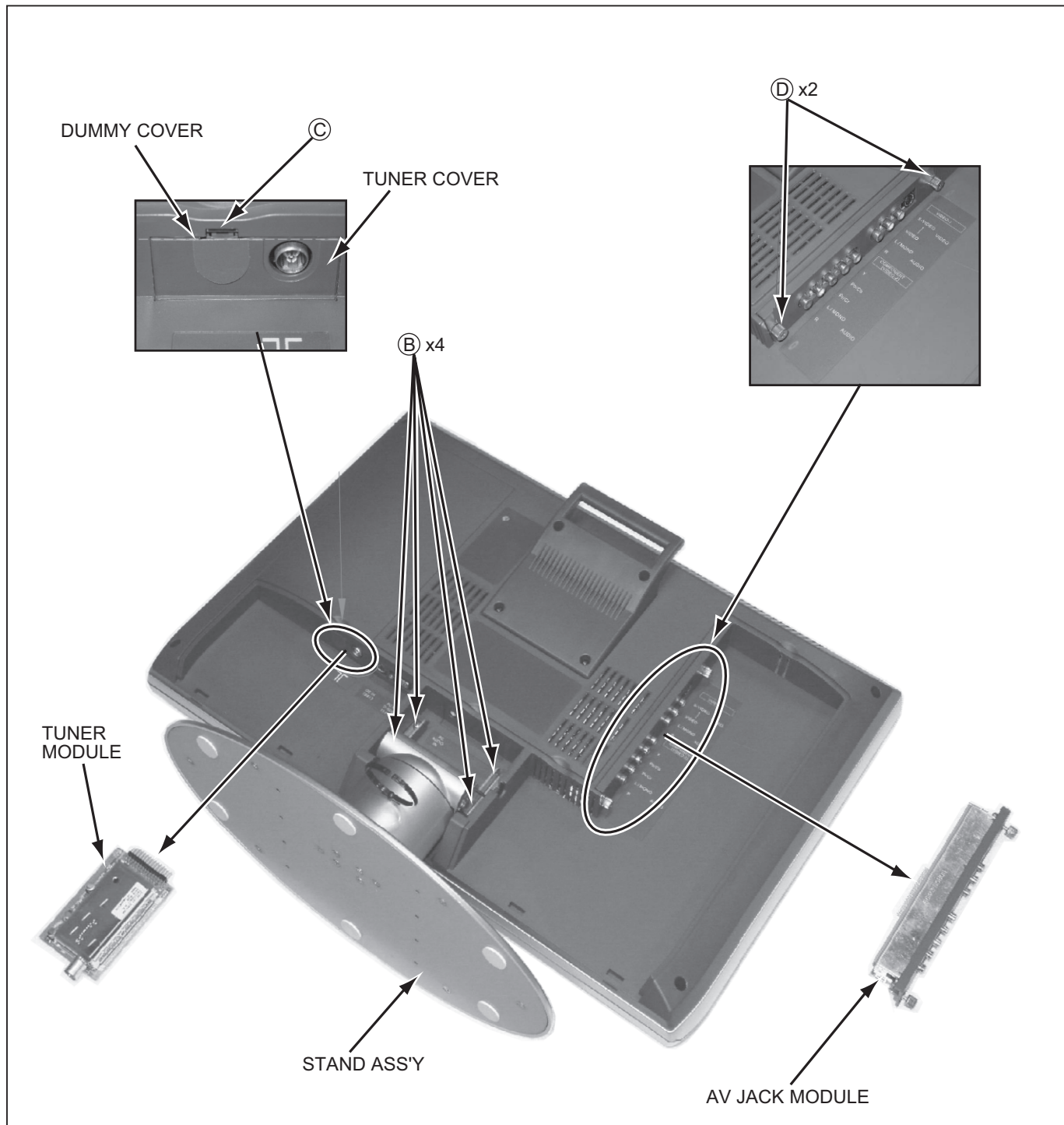


Fig.2

### 3.1.5 REMOVING THE REAR COVER (Fig.3)

- Remove the CABLE COVER (L/R) and NECK COVER.
- Remove the STAND ASS'Y.
- Remove the TUNER MODULE.
- Remove the AV JACK MODULE.

(1) Remove the 4 screws **[E]** and remove the REAR COVER.

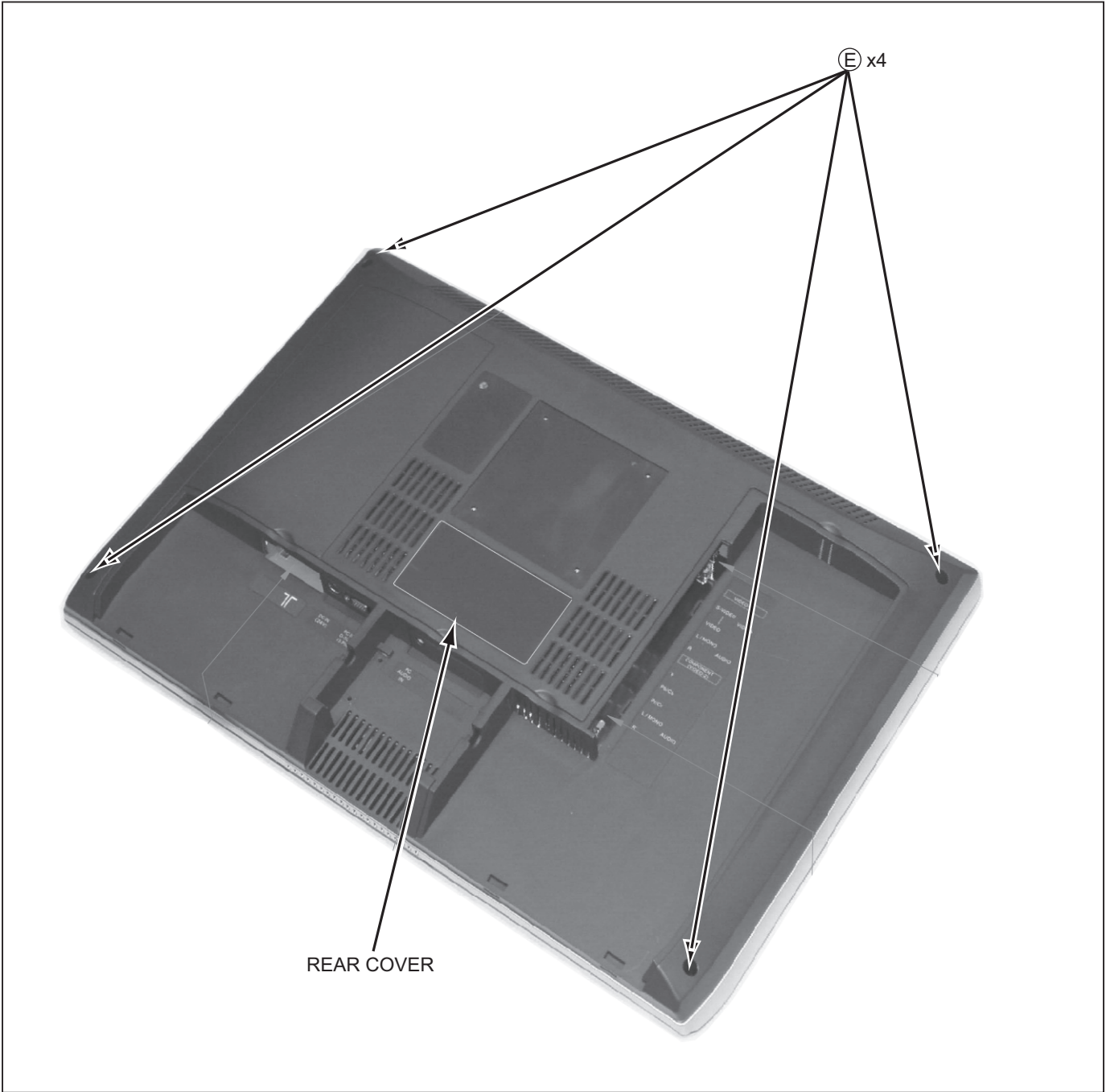


Fig.3

### 3.1.6 REMOVING THE MAIN PWB SHIELD (Fig.4, 5)

- Remove the REAR COVER.
  - (1) Remove the 1 screw **[F]** and remove the D-SUB COVER. (Fig.4)
  - (2) Remove the 1 screw **[G]** and remove the AUDIO COVER. (Fig.4)
  - (3) Remove the 2 screws **[H]** and remove the MODULE BRACKETS. (Fig.4)
  - (4) Remove the 4 screws **[I]** and the 2 screws **[J]**. (Fig.5)
  - (5) Remove the MAIN PWB SHIELD by sliding to downside. (Fig.5)

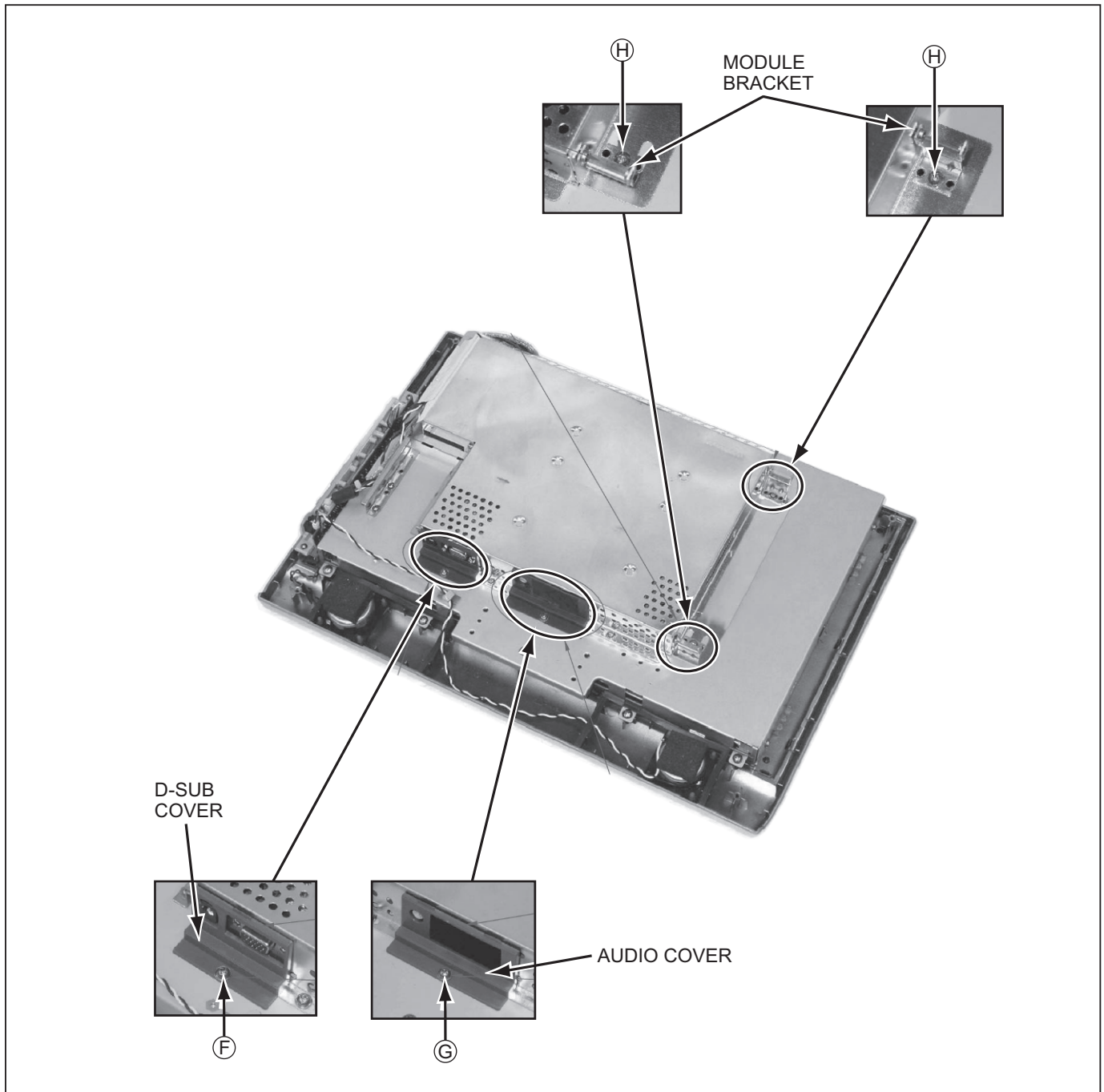


Fig.4

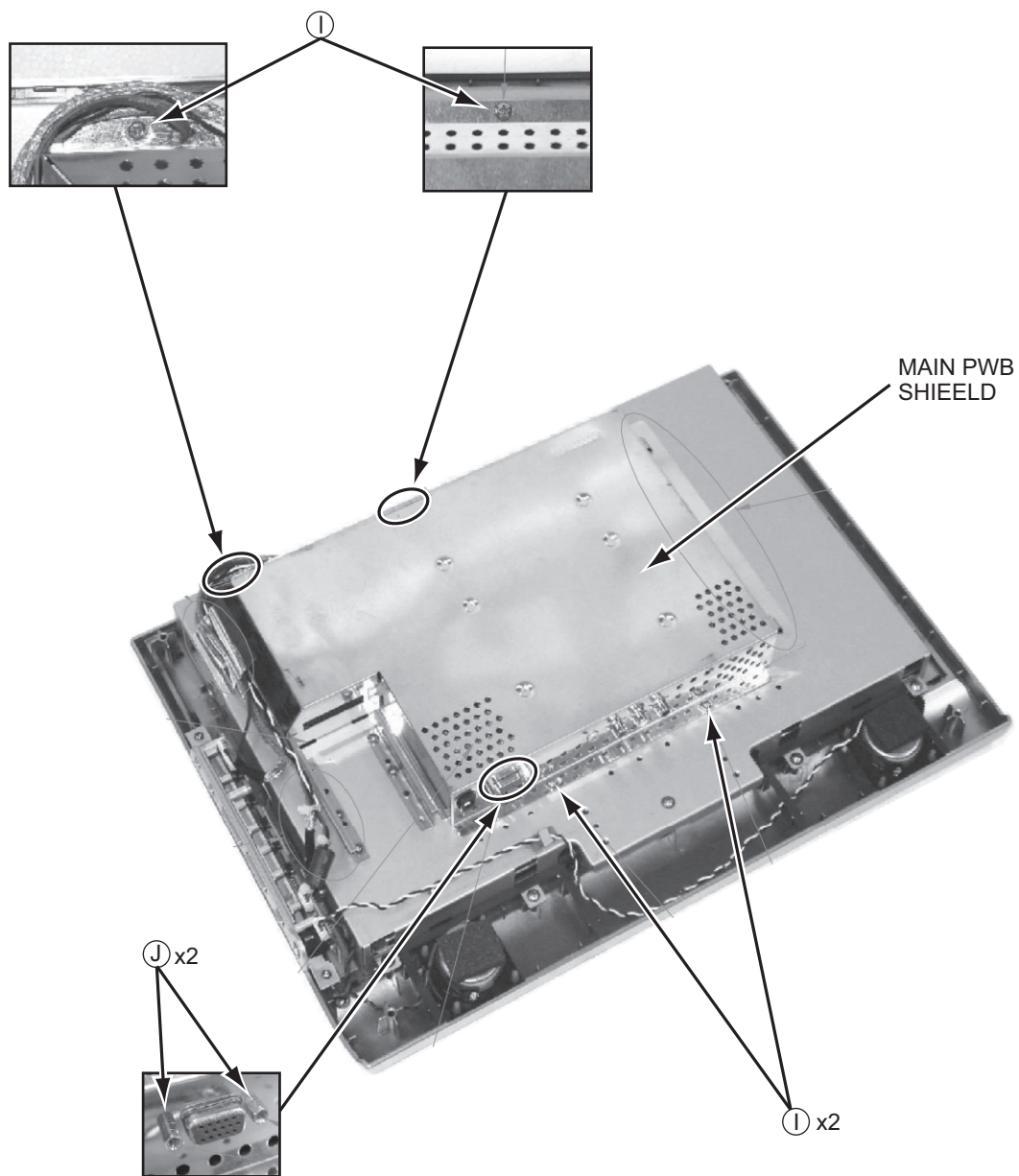


Fig.5



### 3.1.7 REMOVING THE MAIN PWB (Fig.6)

- Remove the REAR COVER.
- Remove the MAIN PWB SHIELD.
  - (1) Remove the 1 screw [K].
  - (2) Disconnect the connectors [P004] / [P006] / [P009] / [P014] from the MAIN PWB.
  - (3) Disconnect the connector [P613] from the FRONT CONTROL PWB.
  - (4) Remove the 6 screws [L] and remove the MAIN PWB.

#### NOTE:

- It is advisable to take note of the connecting location (connector number) of the removed connectors.

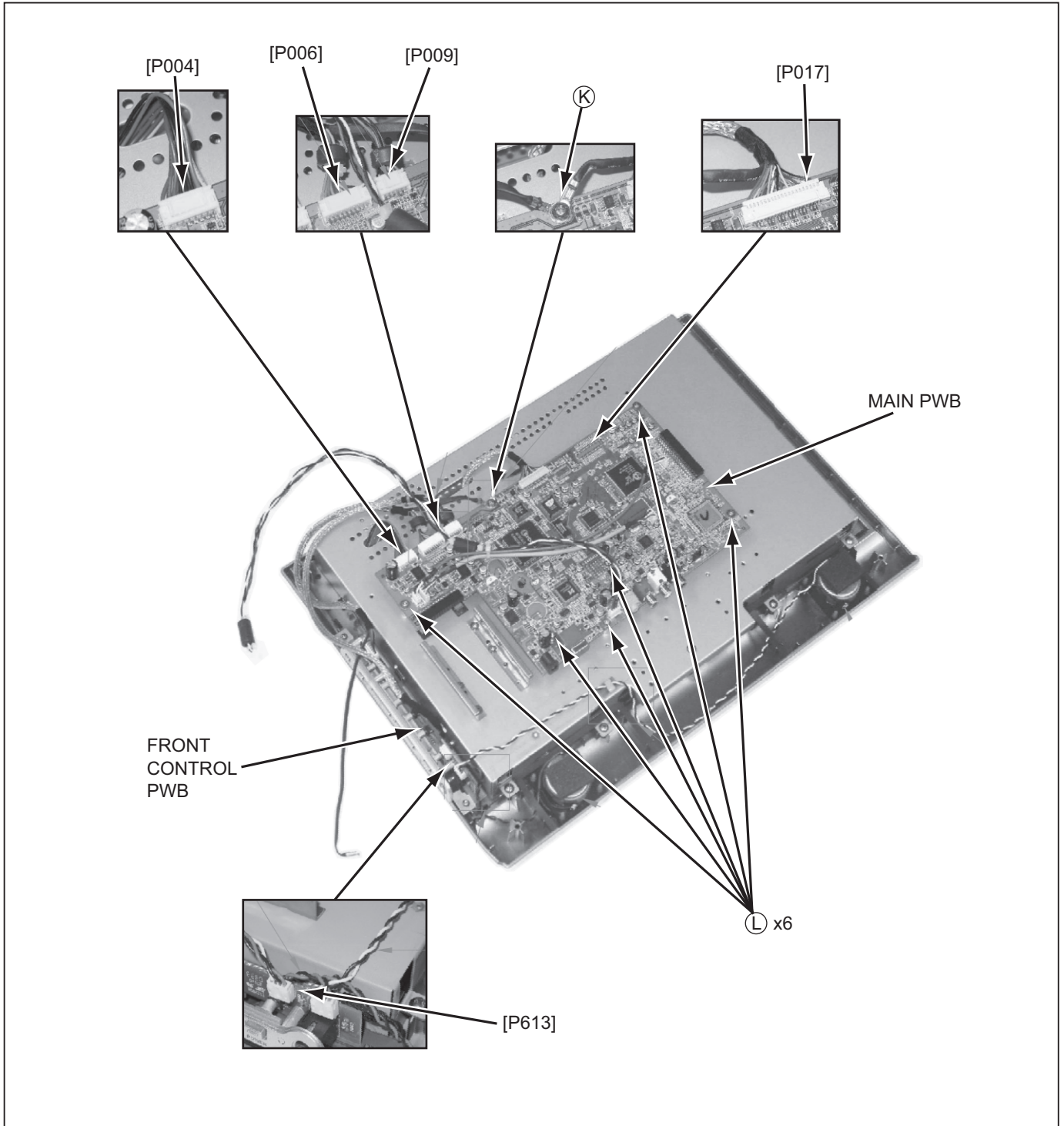


Fig.6

### 3.1.8 REMOVING THE LCD PANEL UNIT [LT-17AX5, LT-17AX5/S, LT-17AX5/A] (Fig.7, 8)

- Remove the REAR COVER.
  - Remove the MAIN PWB SHIELD.
  - Remove the MAIN PWB.
- (1) Remove the 5 screws [M]. (Fig.7)
  - (2) Remove the 1 claw [N], 4 claws [O] and 1 claw [P] and remove the LCD PANEL UNIT and LCD BRACKET. (Fig.7)
  - (3) Remove the 4 screws [Q] and remove LCD BRACKET. (Fig.8)

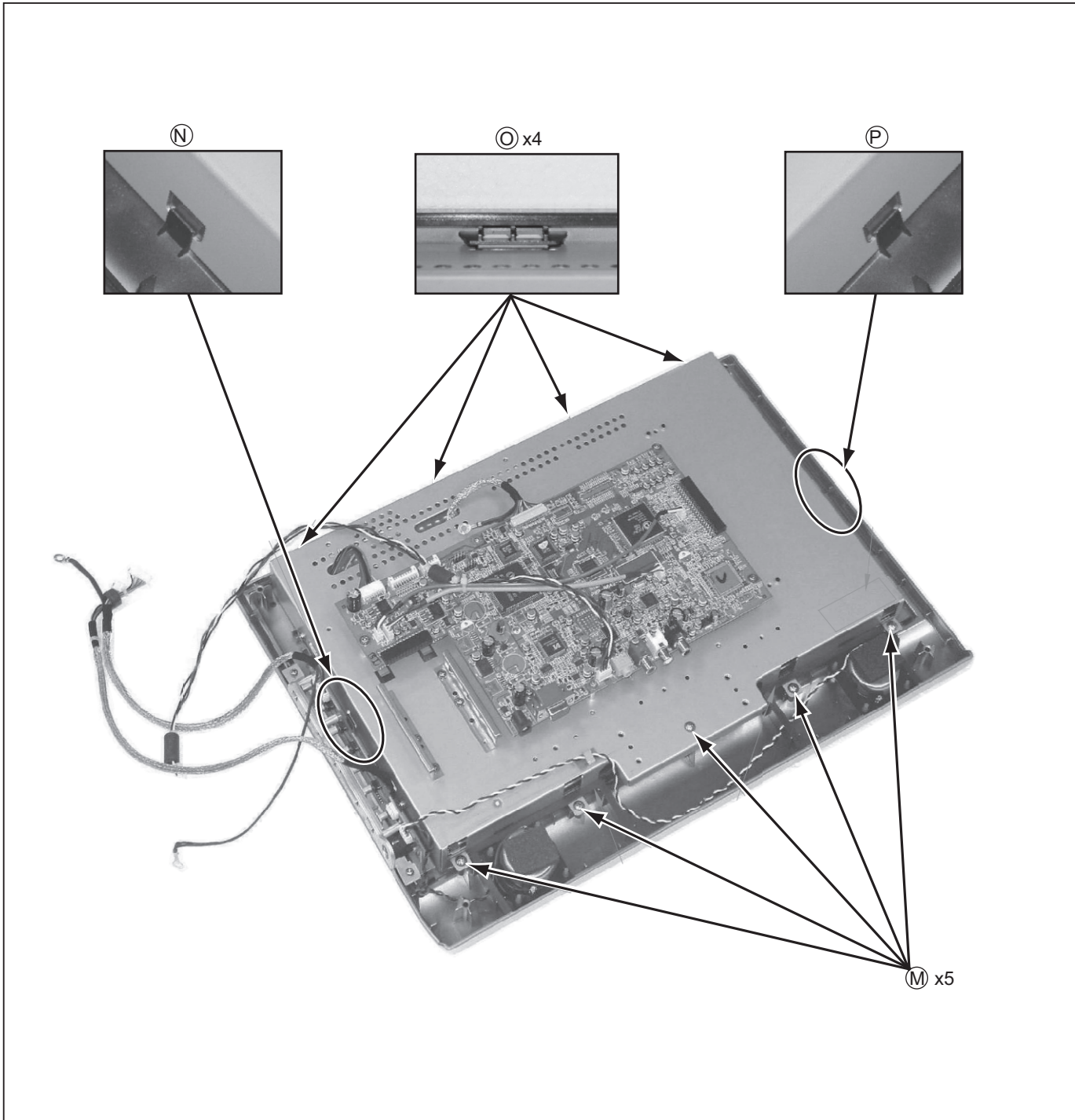


Fig.7



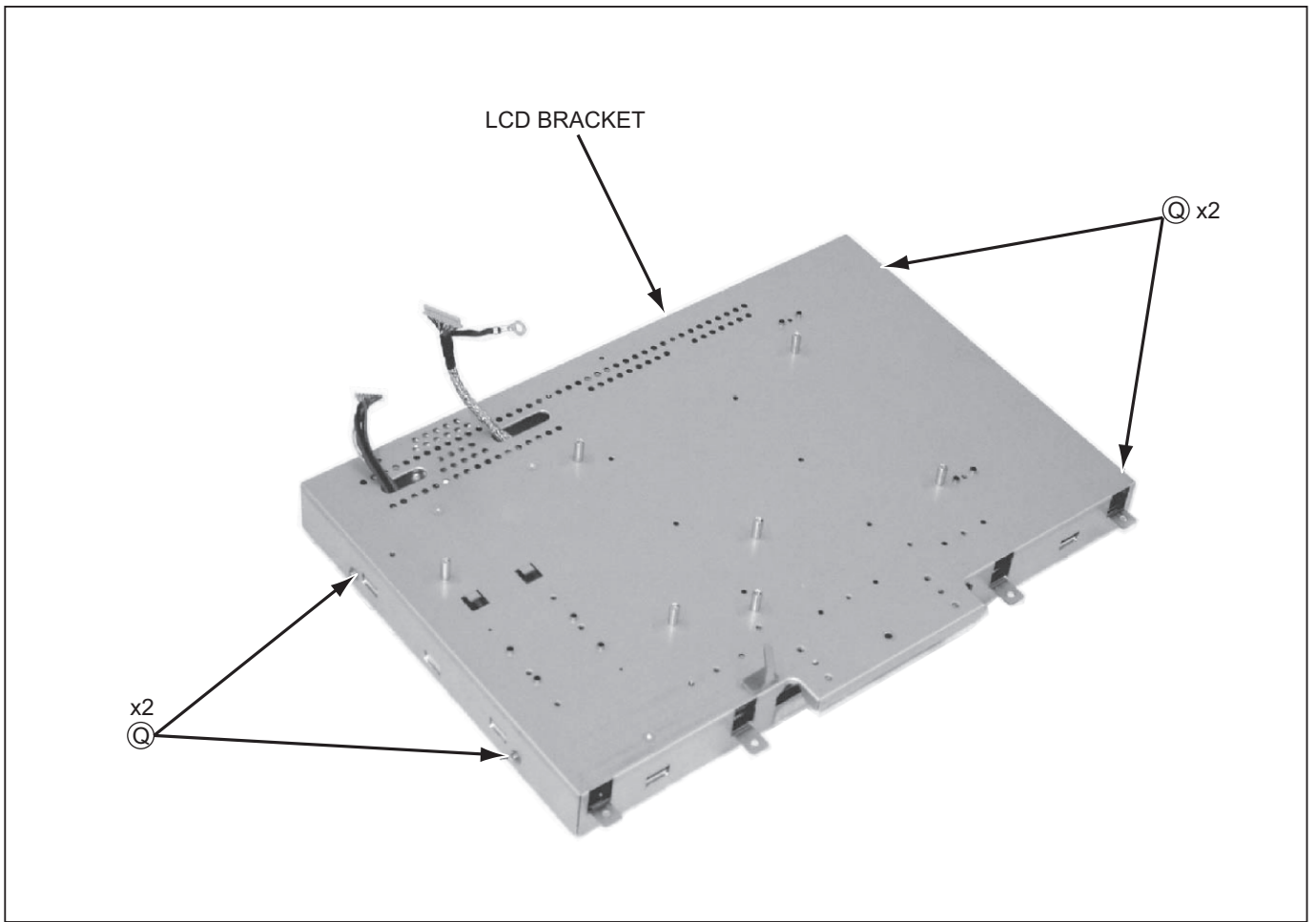


Fig.8

### 3.1.9 REMOVING THE LCD PANEL UNIT [LT-23AX5, LT-23AX5/S, LT-23AX5/A] (Fig.9, 10)

- Remove the REAR COVER.
  - Remove the MAIN PWB SHIELD.
  - Remove the MAIN PWB.
- (1) Remove the 6 screws [R]. (Fig.9)
  - (2) Remove the 3 claws [S], 4 claws [T], 3 claws [U] and 2 claws [V] and remove the LCD PANEL UNIT and LCD BRACKET. (Fig.9)
  - (3) Remove the 8 screws [W] and remove LCD BRACKET. (Fig.10)

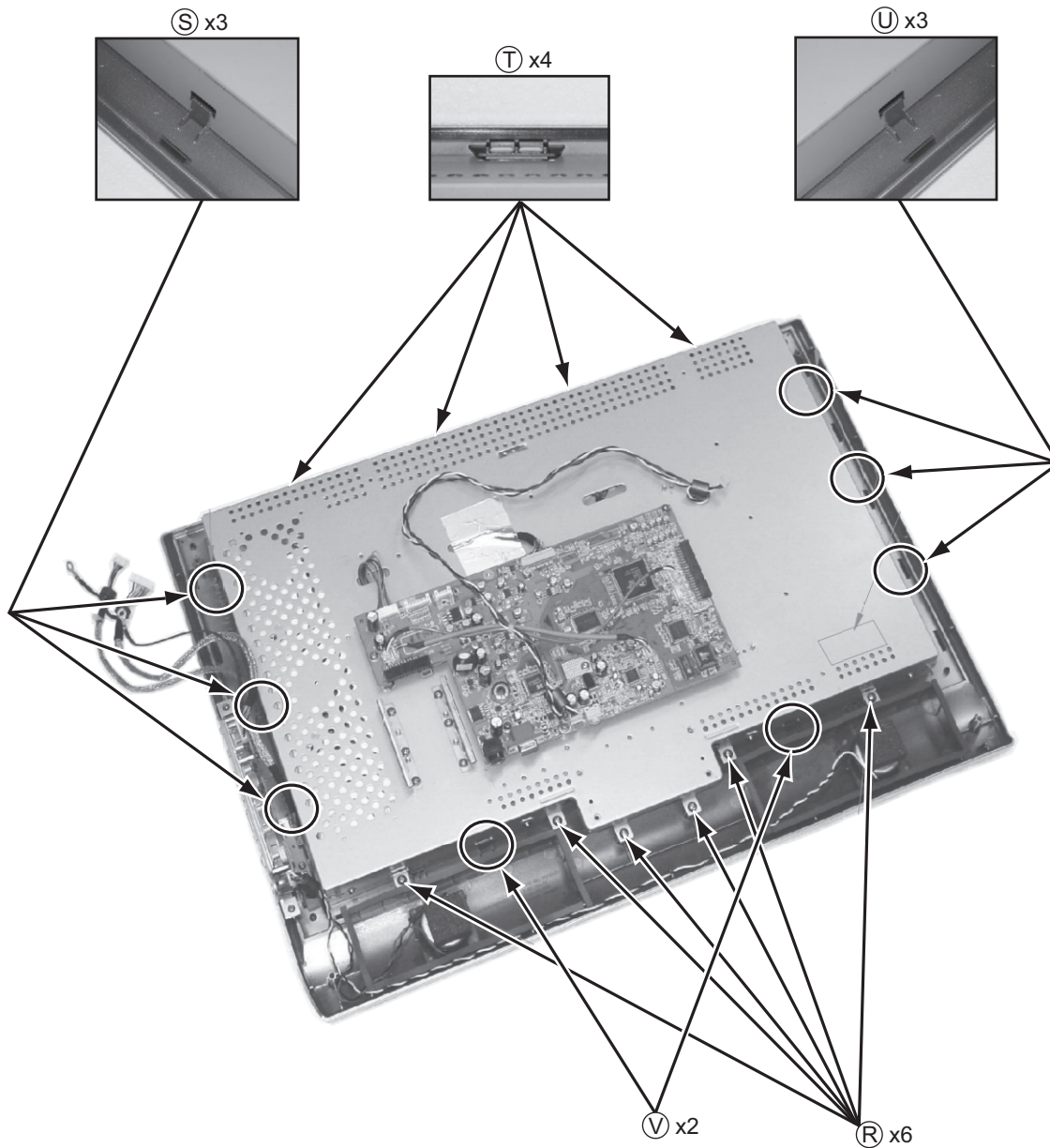


Fig.9

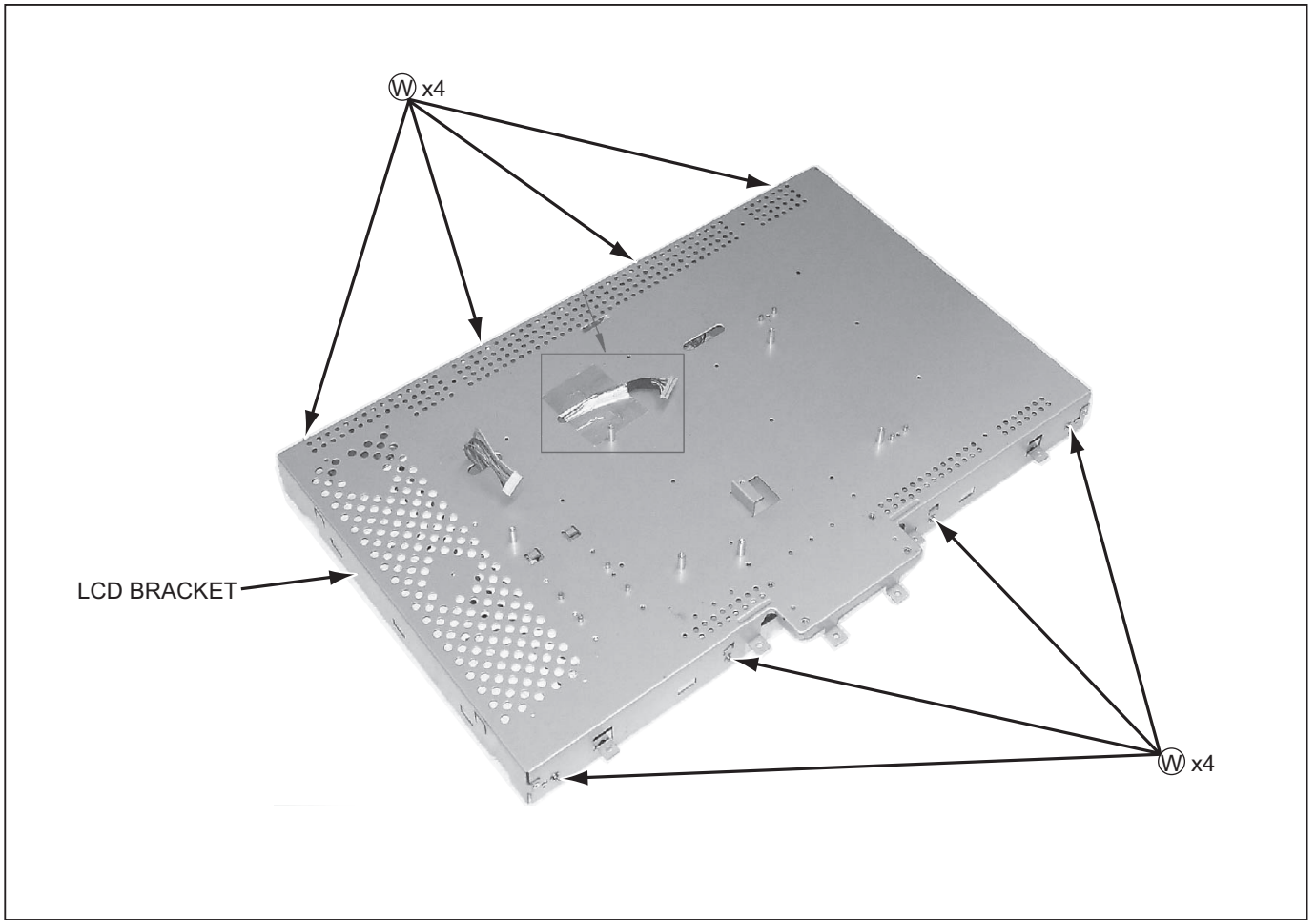


Fig.10

### 3.1.10 REMOVING THE INVERTER PWB [LT-17AX5, LT-17AX5/S, LT-17AX5/A] (Fig.11)

- Remove the REAR COVER.
  - Remove the MAIN PWB SHIELD.
  - Remove the MAIN PWB.
  - Remove the LCD BRACKET.
- (1) Remove the 4 screws [X].
  - (2) Disconnect the connectors from the INVERTER PWB and remove the INVERTER PWB.

#### NOTE:

- It is advisable to take note of the connecting location (connector number) of the removed connectors.

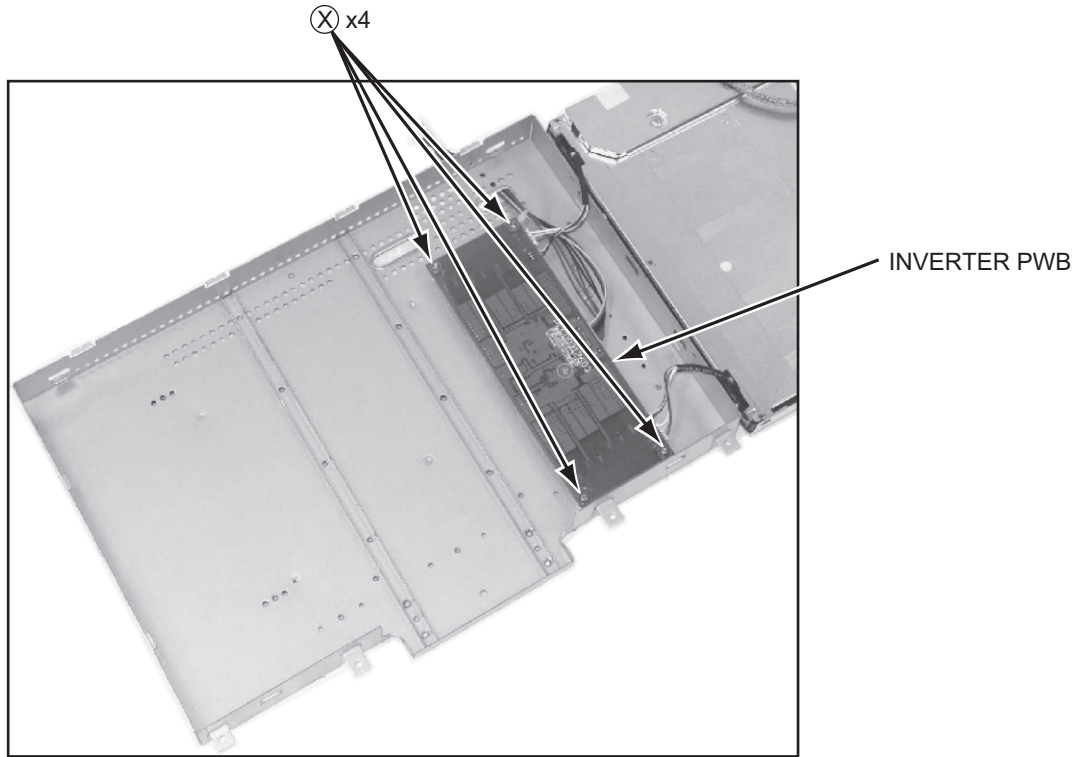


Fig.11

### 3.1.11 REMOVING THE SPEAKERS (Fig.12)

- Remove the REAR COVER.
  - (1) Disconnect the connector [P612] from the FRONT CONTROL PWB.
  - (2) Strip off the sponges and remove the SPEAKERS.

#### NOTE:

- It is advisable to take note of the connecting location (connector number) of the removed connectors.

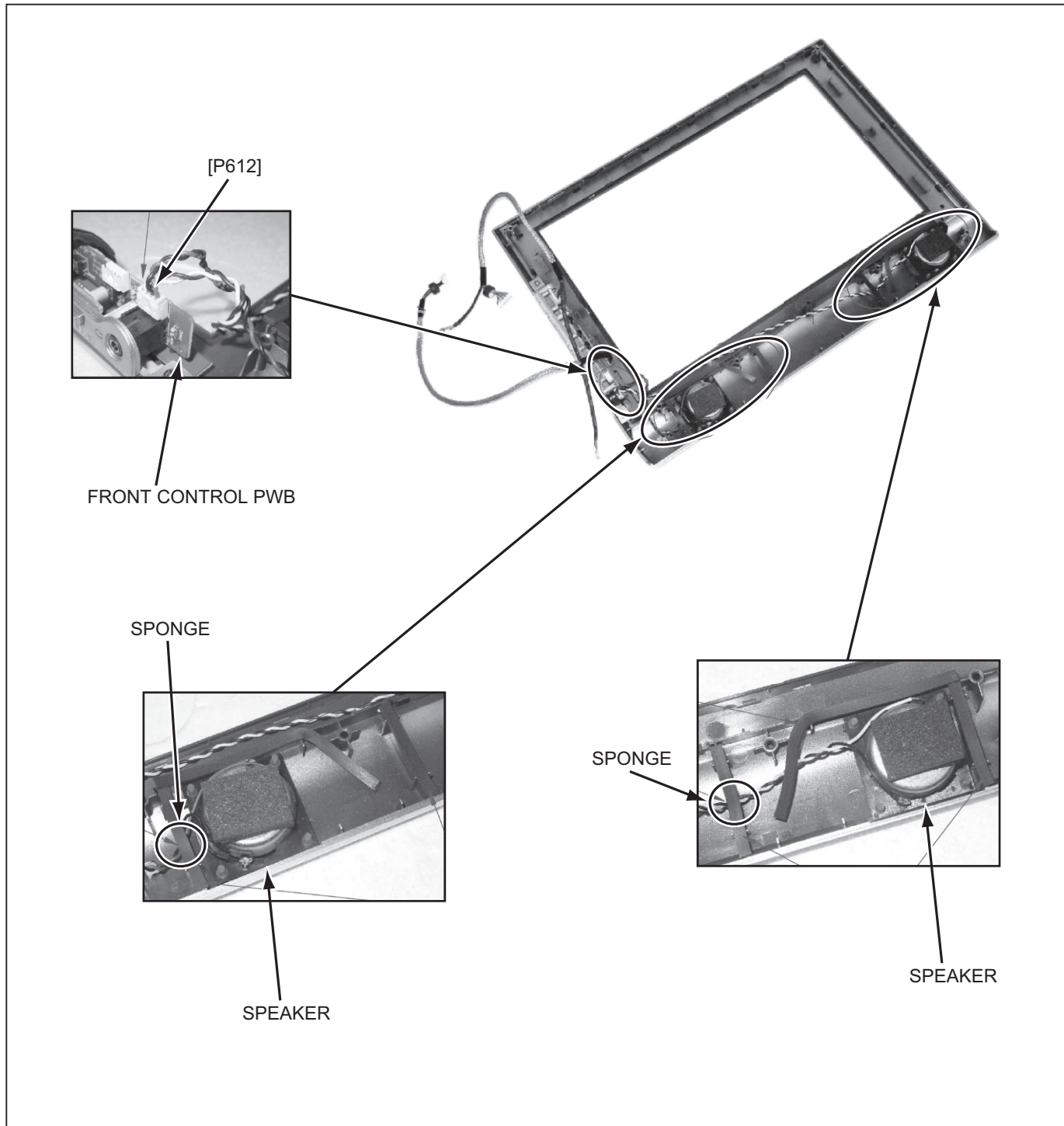


Fig.12

### 3.1.12 REMOVING THE FRONT CONTROL PWB (Fig.13)

- Remove the REAR COVER.
  - (1) Disconnect the connector [P611] from the FRONT CONTROL PWB.
  - (2) Remove the 2 screws [Y].
  - (3) Remove the 3 screws [Z] and remove the FRONT CONTROL PWB.

#### NOTE:

- It is advisable to take note of the connecting location (connector number) of the removed connectors.

### 3.1.13 REMOVING THE IR SENSOR PWB (Fig.13)

- Remove the REAR COVER.
  - (1) Remove the 1 screw [a].
  - (2) Disconnect the connector [P005] from the IR SENSOR PWB.

#### NOTE:

- It is advisable to take note of the connecting location (connector number) of the removed connectors.

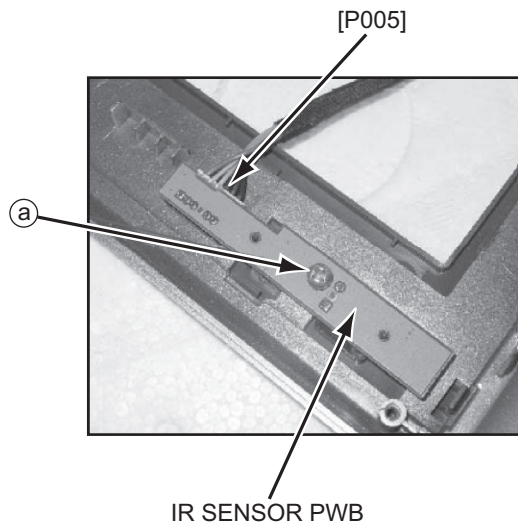
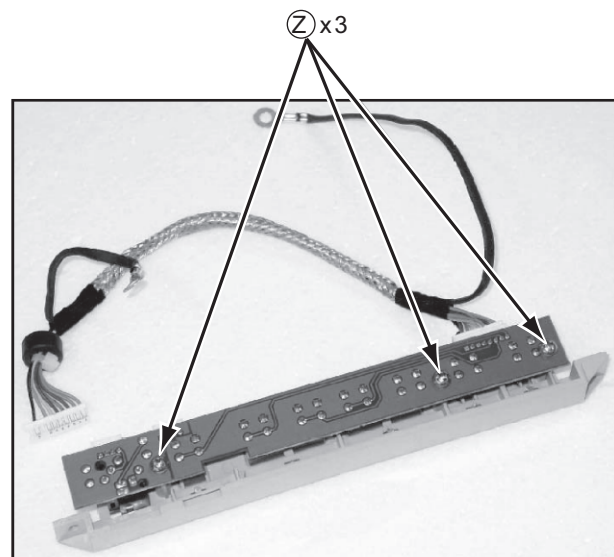
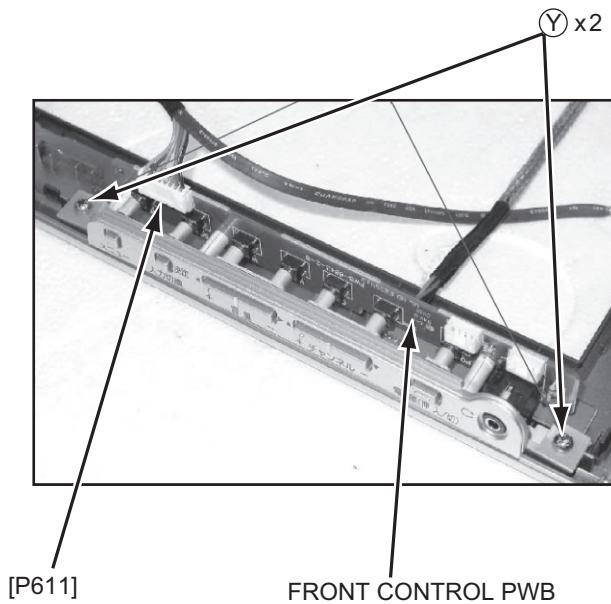


Fig.13

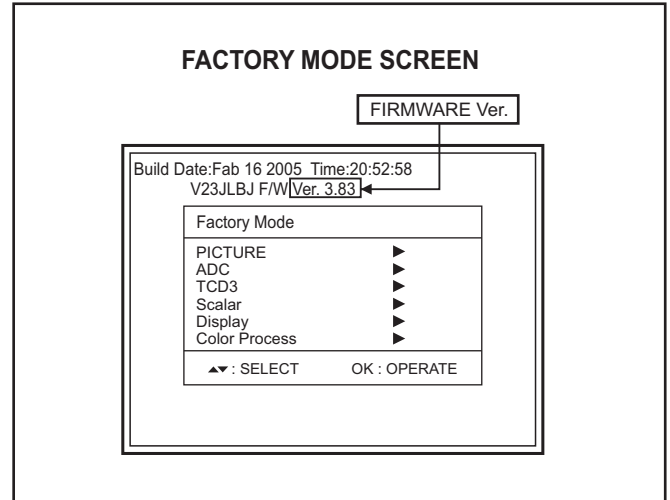
## 3.2 FIRMWARE VERSION CHECK

### 3.2.1 PROCEDURE FOR FIRMWARE VERSION CHECK

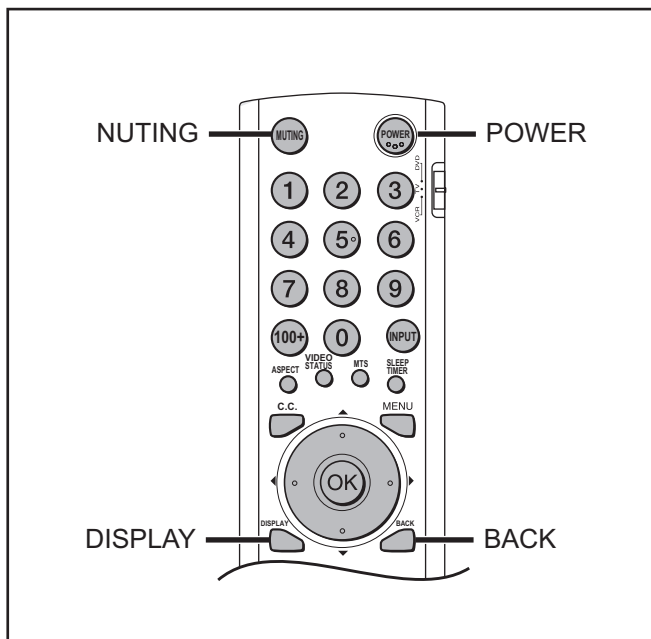
- (1) Press the [MUTING] key and the [DISPLAY] key simultaneously, and the FACTORY MODE screen Fig.1 will be displayed.
- (2) The FIRMWARE VERSION is displayed in the upperleft on the FACTORY MODE screen.
- (3) Press the [POWER] key or the [BACK] key to exit the FACTORY MODE.

#### CAUTION:

- Do not change setting values of FACTORY MODE screen.



### 3.2.2 SERVICE CONTROL KEY LAYOUT ON THE REMOTE CONTROL UNIT





### 3.3 REPLACEMENT OF CHIP COMPONENT

#### 3.3.1 CAUTIONS

- (1) Avoid heating for more than 3 seconds.
- (2) Do not rub the electrodes and the resist parts of the pattern.
- (3) When removing a chip part, melt the solder adequately.
- (4) Do not reuse a chip part after removing it.

#### 3.3.2 SOLDERING IRON

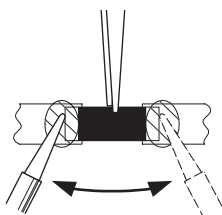
- (1) Use a high insulation soldering iron with a thin pointed end of it.
- (2) A 30w soldering iron is recommended for easily removing parts.

#### 3.3.3 REPLACEMENT STEPS

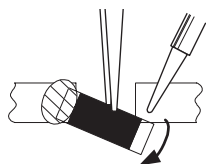
##### 1. How to remove Chip parts

[Resistors, capacitors, etc.]

- (1) As shown in the figure, push the part with tweezers and alternately melt the solder at each end.



- (2) Shift with the tweezers and remove the chip part.

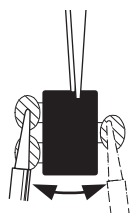


[Transistors, diodes, variable resistors, etc.]

- (1) Apply extra solder to each lead.



- (2) As shown in the figure, push the part with tweezers and alternately melt the solder at each lead. Shift and remove the chip part.



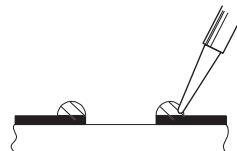
#### NOTE :

After removing the part, remove remaining solder from the pattern.

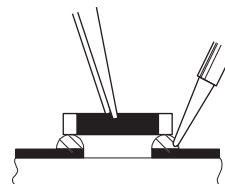
##### 2. How to install Chip parts

[Resistors, capacitors, etc.]

- (1) Apply solder to the pattern as indicated in the figure.

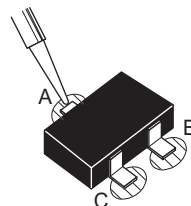


- (2) Grasp the chip part with tweezers and place it on the solder. Then heat and melt the solder at both ends of the chip part.

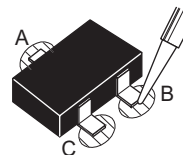


[Transistors, diodes, variable resistors, etc.]

- (1) Apply solder to the pattern as indicated in the figure.
- (2) Grasp the chip part with tweezers and place it on the solder.
- (3) First solder lead **A** as indicated in the figure.



- (4) Then solder leads **B** and **C**.





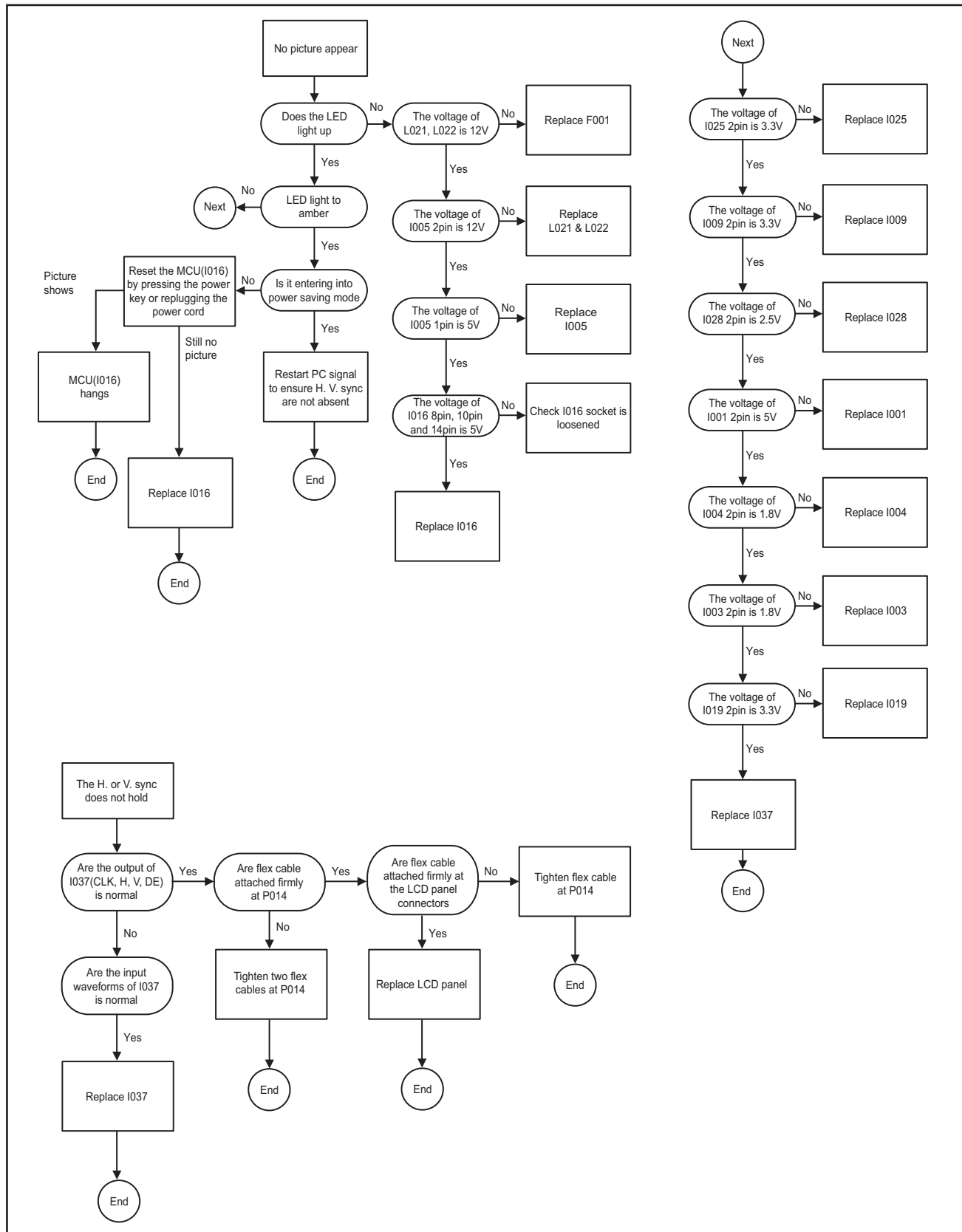
## **SECTION 4**

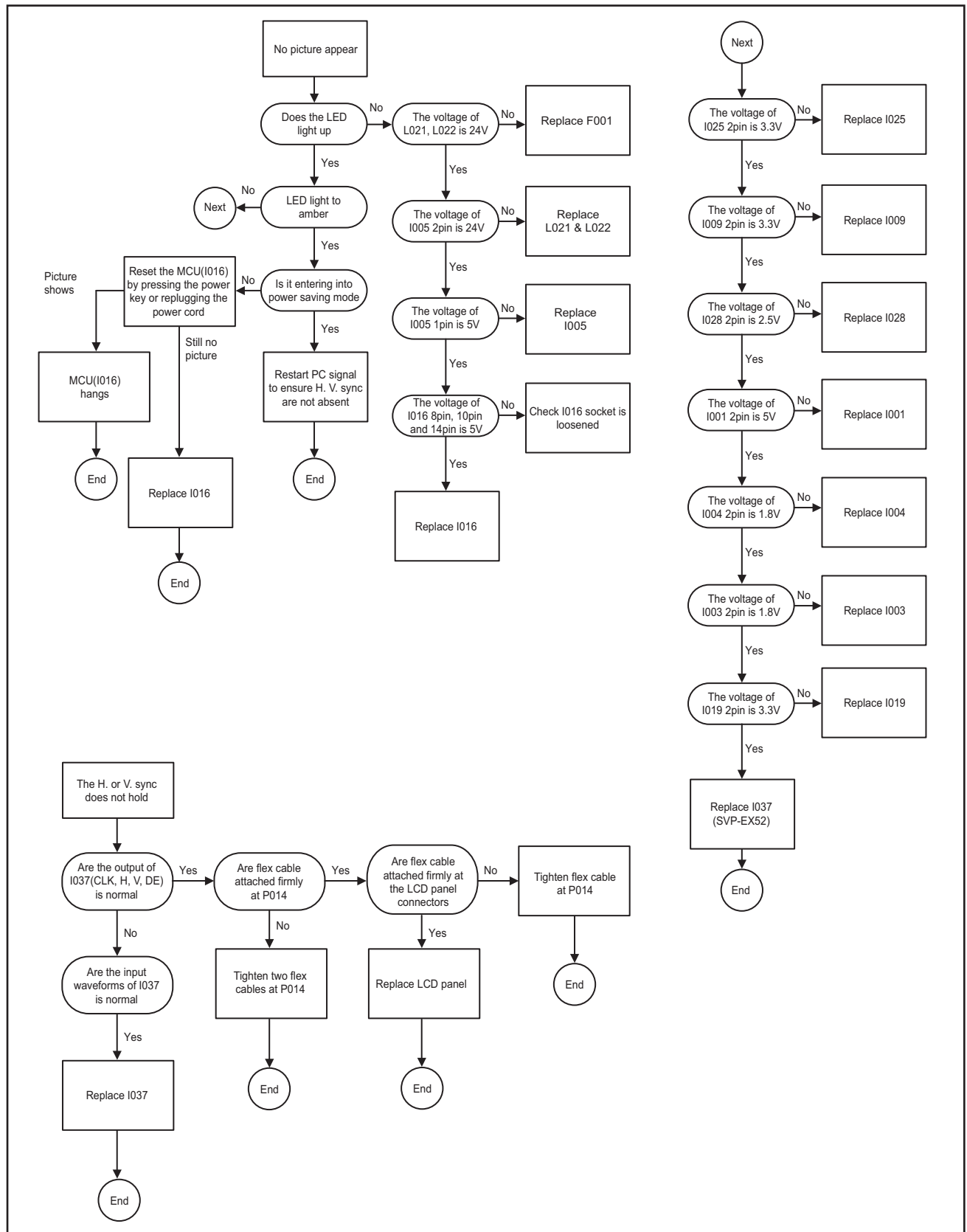
### **ADJUSTMENT**

This service manual does not describe ADJUSTMENT.

# SECTION 5 TROUBLESHOOTING

[LT-17AX5, LT-17AX5/S, LT-17AX5/A]







Victor Company of Japan, Limited  
AV & MULTIMEDIA COMPANY DISPLAY CATEGORY 12, 3-chome, Moriya-cho, Kanagawa-ku, Yokohama-city, Kanagawa-prefecture, 221-8528, Japan

(No.YA351)



Printed in Japan  
VPT



# SCHEMATIC DIAGRAMS

LCD FLAT TELEVISION

**LT-17AX5, LT-17AX5<sub>/s</sub>, LT-17AX5<sub>/A</sub>,  
LT-23AX5, LT-23AX5<sub>/s</sub>, LT-23AX5<sub>/A</sub>**

CD-ROM No. SML200511



# LT-17AX5, LT-17AX5/s, LT-17AX5/A LT-23AX5, LT-23AX5/s, LT-23AX5/A STANDARD CIRCUIT DIAGRAMS

## CONTENTS

USING P.W. BOARD .....	2-1
SEMICONDUCTOR SHAPES .....	2-1
BLOCK DIAGRAM .....	2-2
CIRCUIT DIAGRAMS .....	2-3
MAIN PWB CIRCUIT DIAGRAM .....	2-3
IR SENSOR PWB CIRCUIT DIAGRAM .....	2-9
AV JACK PWB CIRCUIT DIAGRAM .....	2-25
FRONT CONTROL PWB CIRCUIT DIAGRAM .....	2-25
TUNER PWB CIRCUIT DIAGRAM .....	2-25
PATTERN DIAGRAMS .....	2-27
MAIN PWB PATTERN .....	2-27
IR SENSOR PWB PATTERN .....	2-27
AV JACK PWB PATTERN .....	2-29
FRONT CONTROL PWB PATTERN .....	2-29
TUNER PWB PATTERN .....	2-29

## USING P.W. BOARD

P.W.B ASS'Y	LT-17AX5, LT-17AX5/S, LT-17AX5/A	LT-23AX5, LT-23AX5/S, LT-23AX5/A
MAIN P.W.BOARD	DA-5098801023 (PWB-0915-PARTA-02)	DA-5098801036 (PWB-0915-PARTA-02)
IR SENSOR P.W.BOARD	DA-5098801024 (PWB-0915-PARTB-02)	DA-5098801037 (PWB-0915-PARTB-02)
AV JACK P.W.BOARD	DA-5098801025 (PWB-0916-PARTA-02)	DA-5098801038 (PWB-0916-PARTA-02)
FRONT CONTROL P.W.BOARD	DA-5098801031 (PWB-0916-PARTB-02)	DA-5098801039 (PWB-0916-PARTB-02)
TUNER P.W.BOARD	DA-5098801026 (PWB-0916-PARTC-02)	DA-5098801040 (PWB-0916-PARTC-02)

## SEMICONDUCTOR SHAPES

### TRANSISTOR

BOTTOM VIEW	FRONT VIEW				TOP VIEW
					CHIP TR 

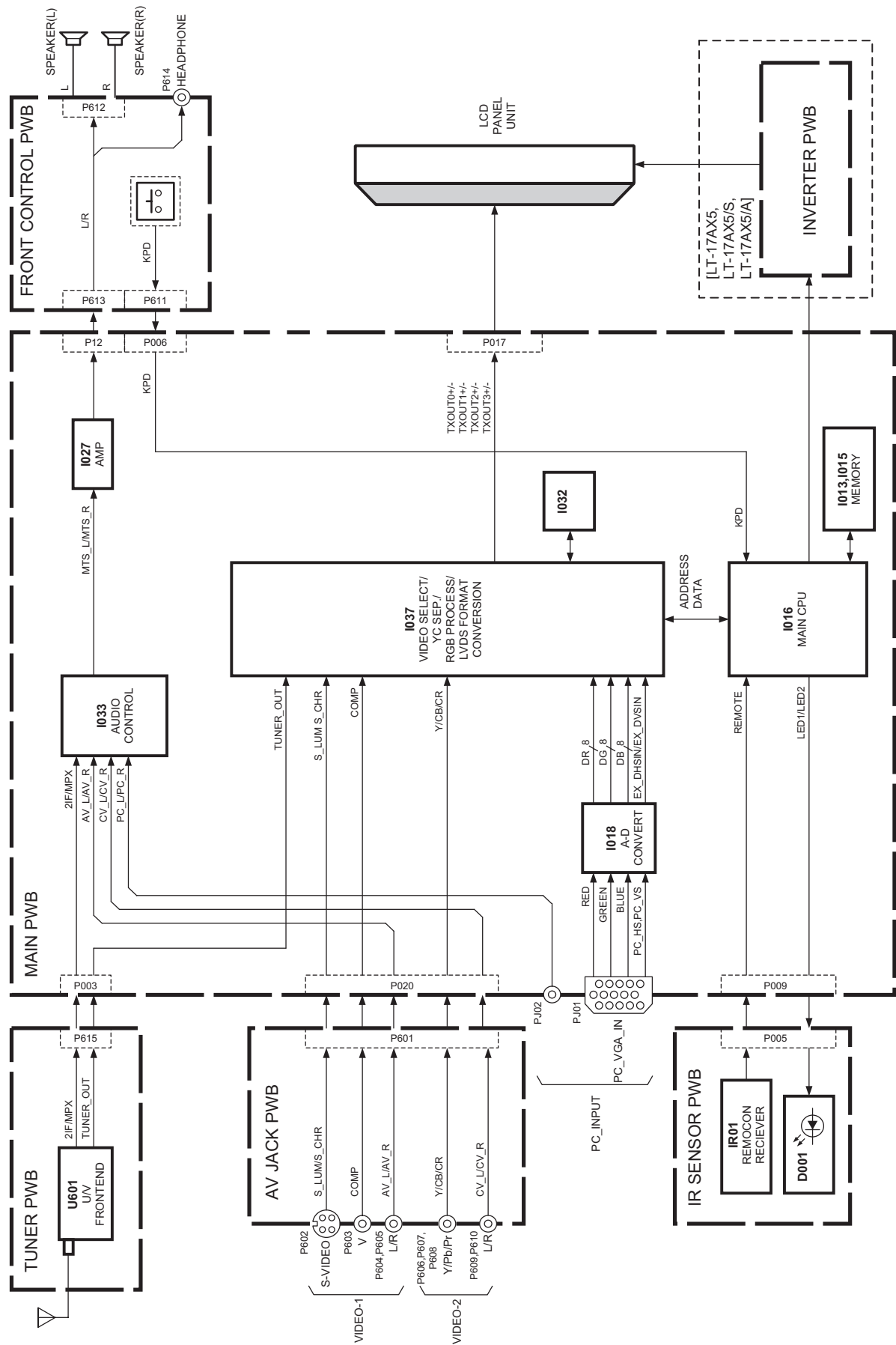
### IC

BOTTOM VIEW	FRONT VIEW			TOP VIEW

### CHIP IC

TOP VIEW		

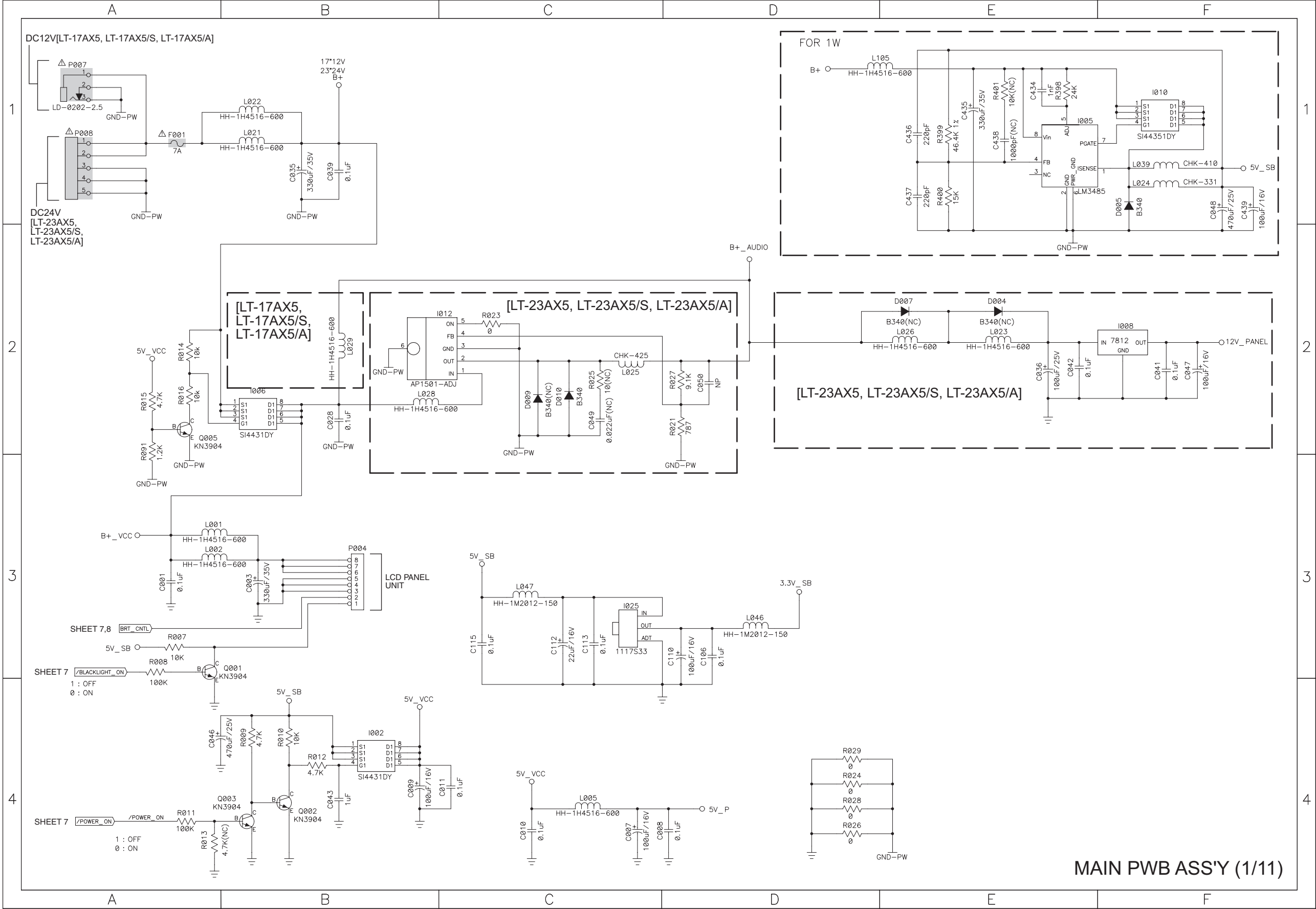
BLOCK DIAGRAM

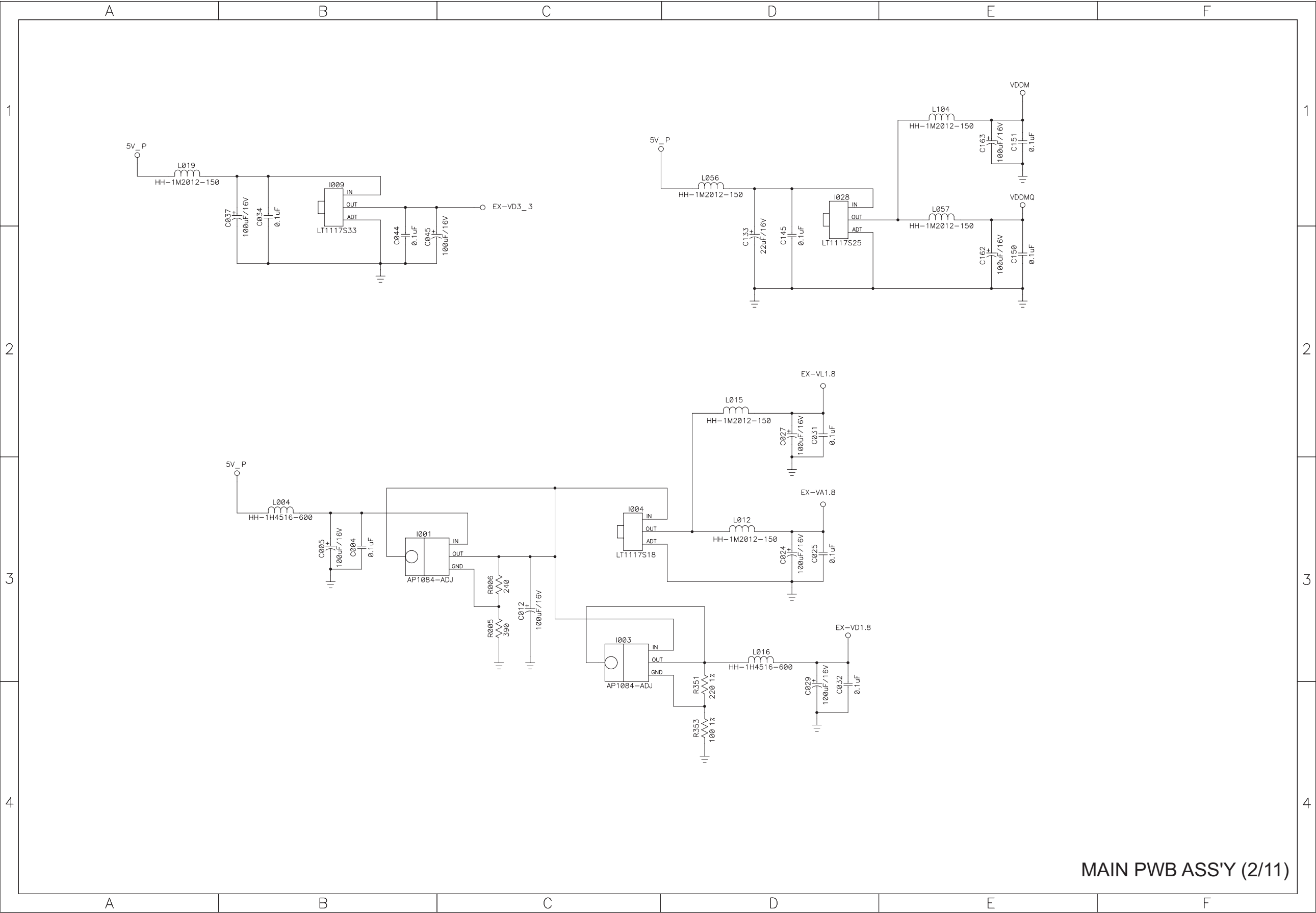




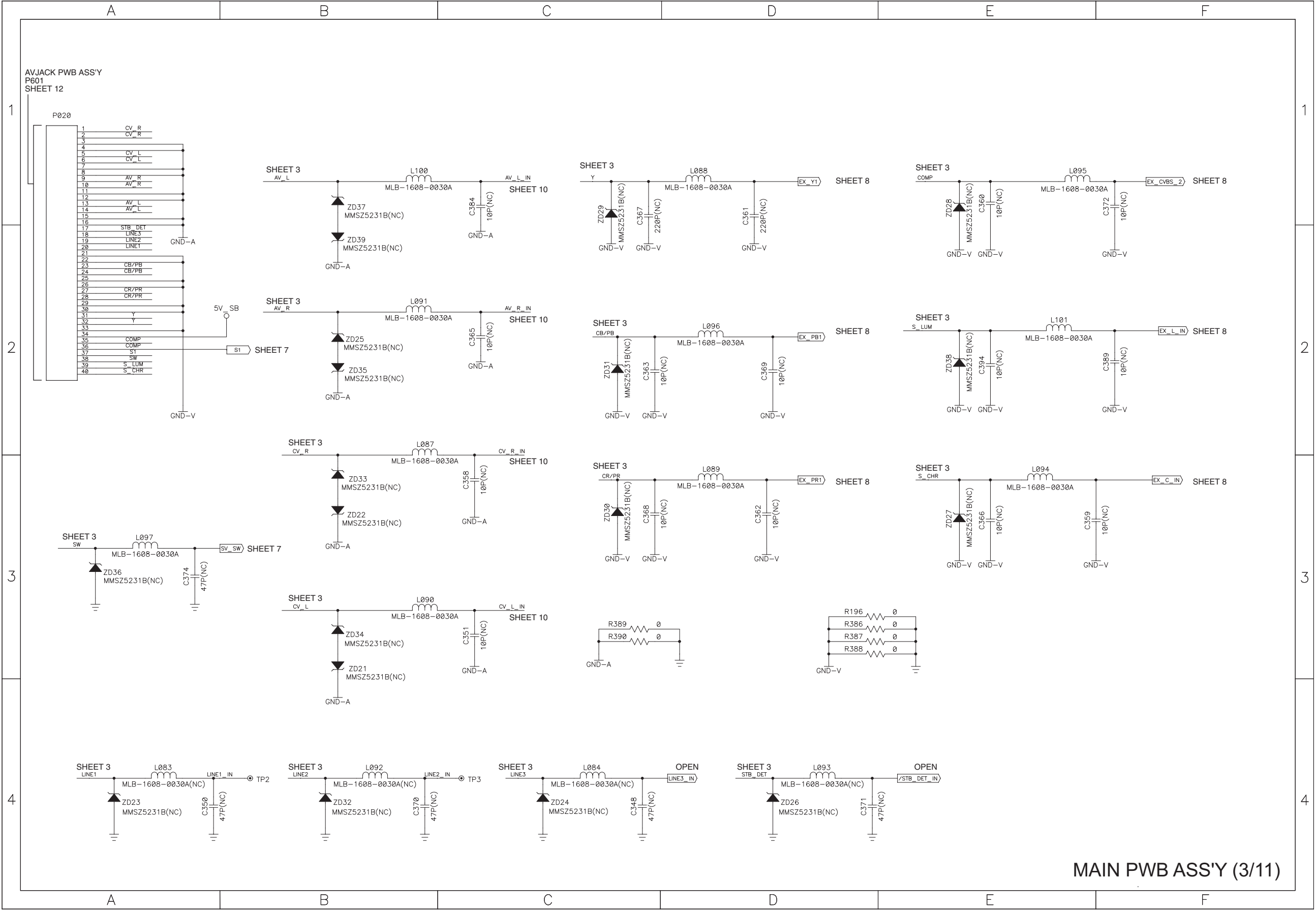


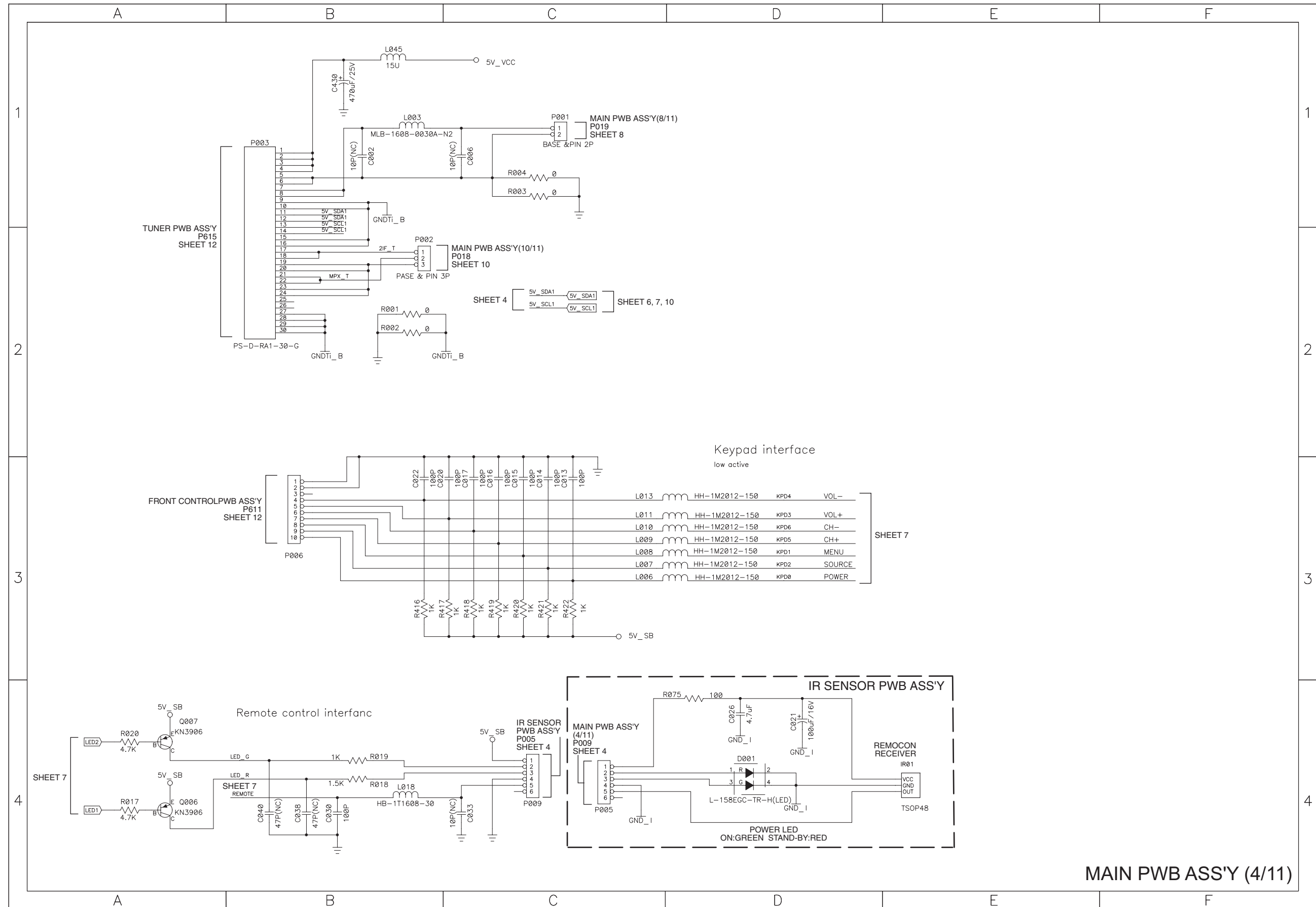
CIRCUIT DIAGRAMS  
MAIN PWB CIRCUIT DIAGRAM (1/11) SHEET1

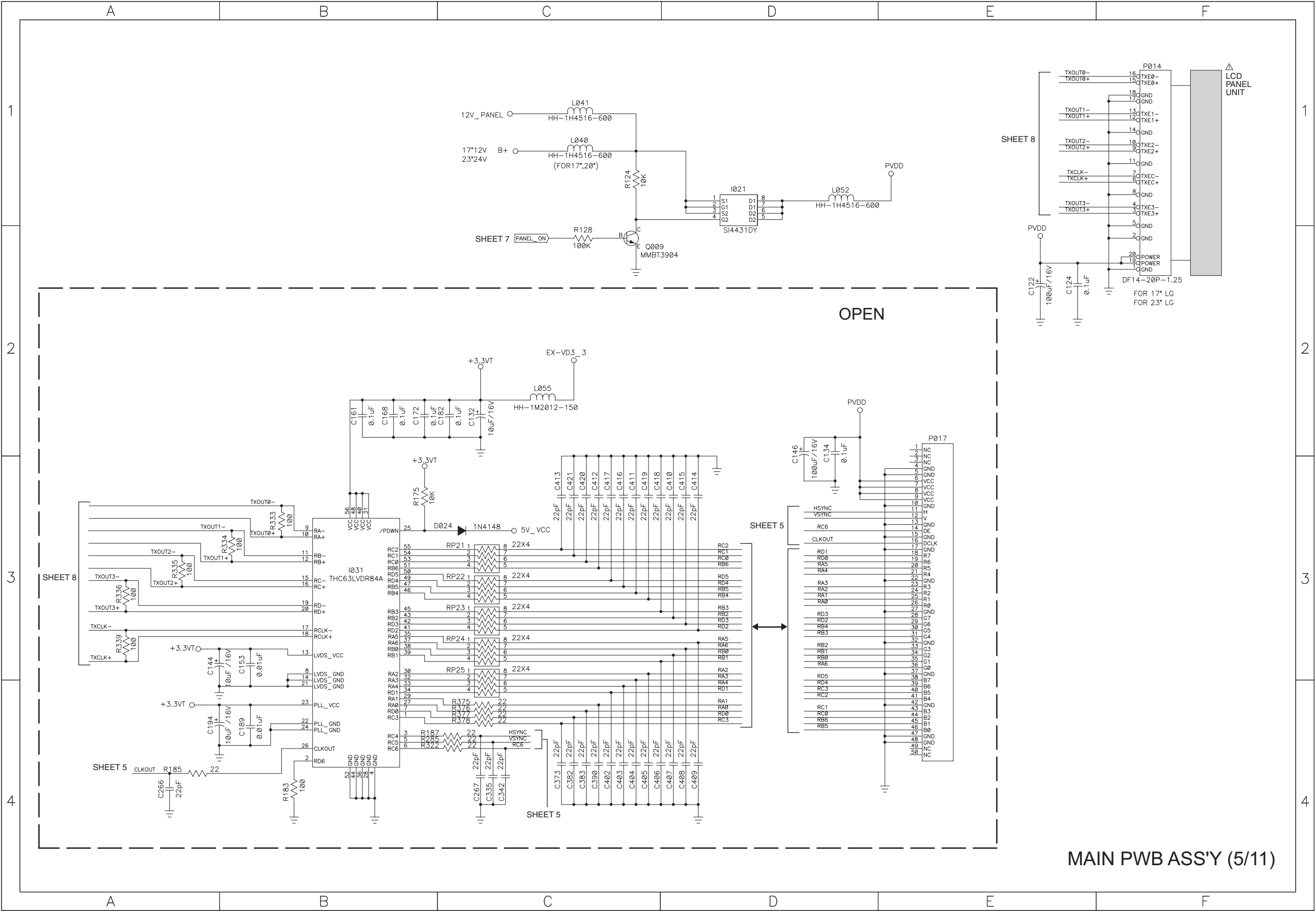


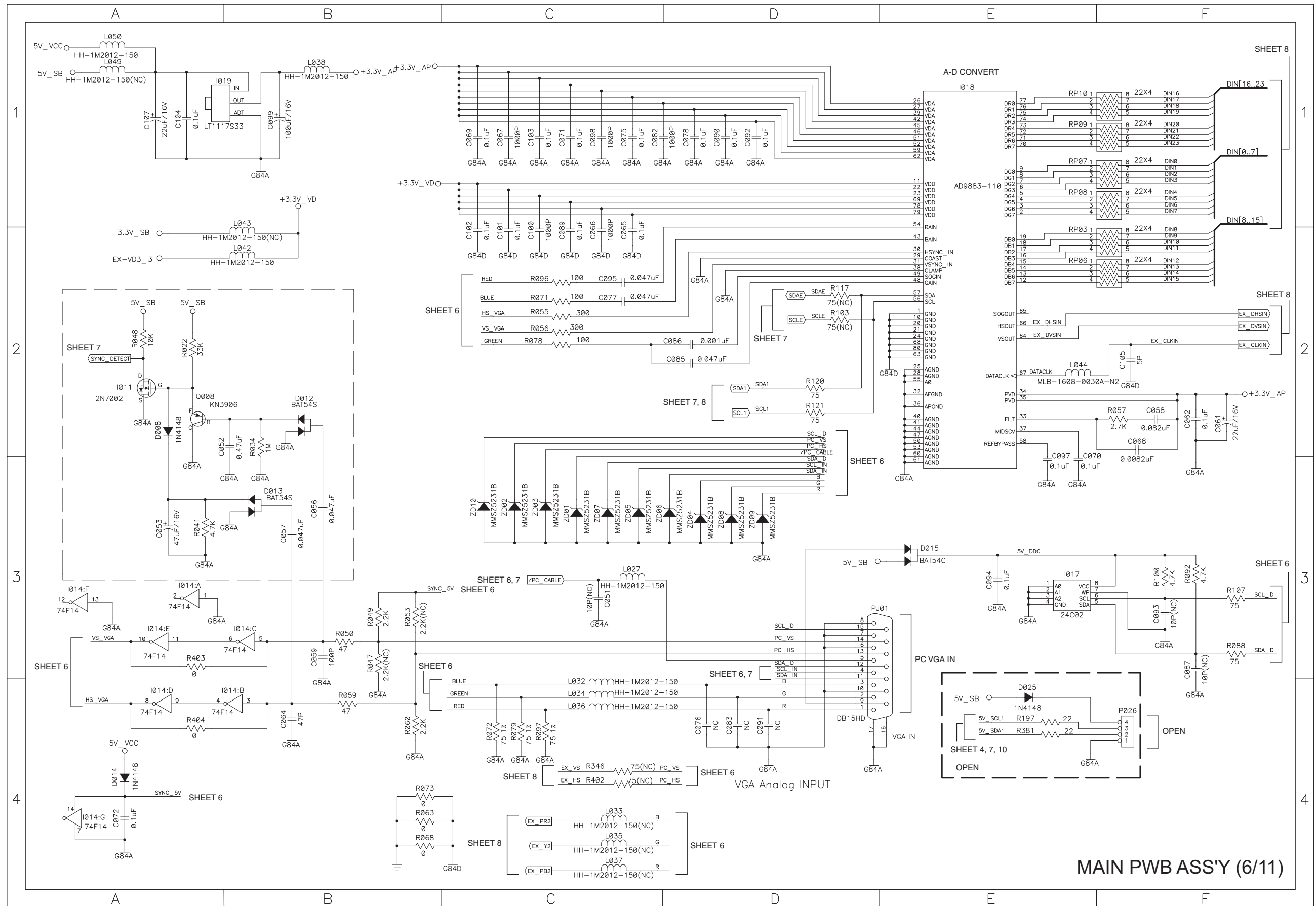


MAIN PWB ASS'Y (2/11)



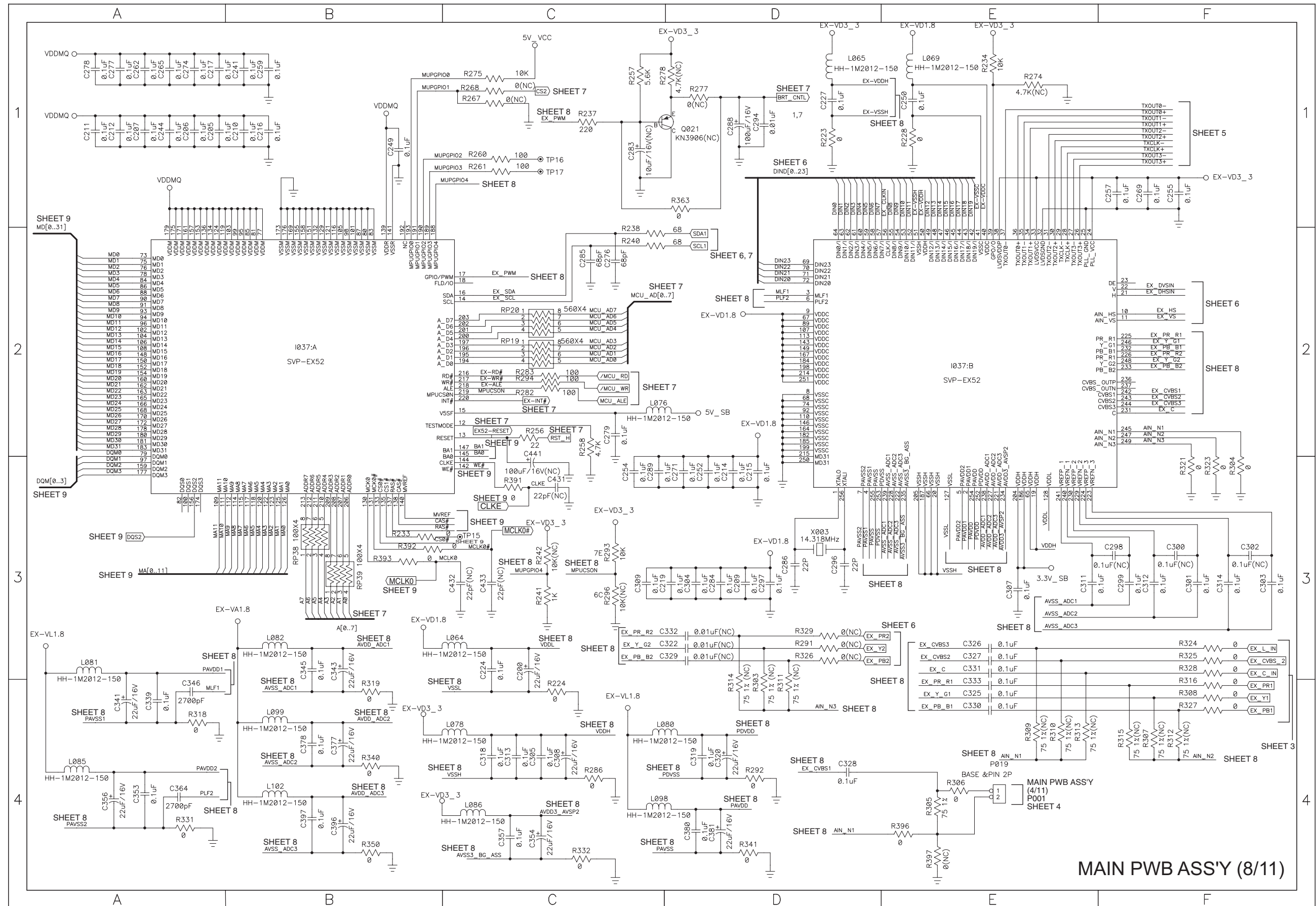




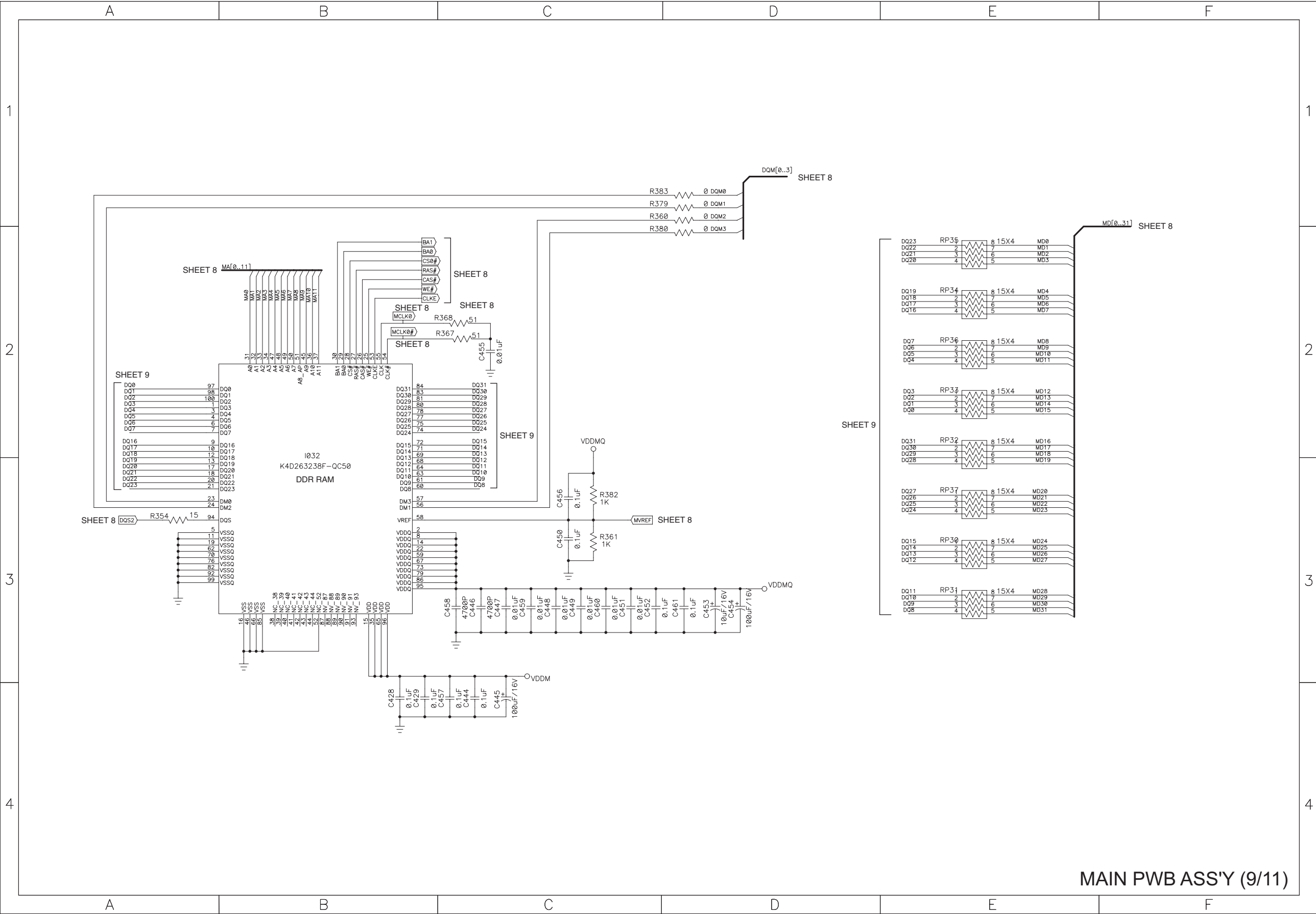


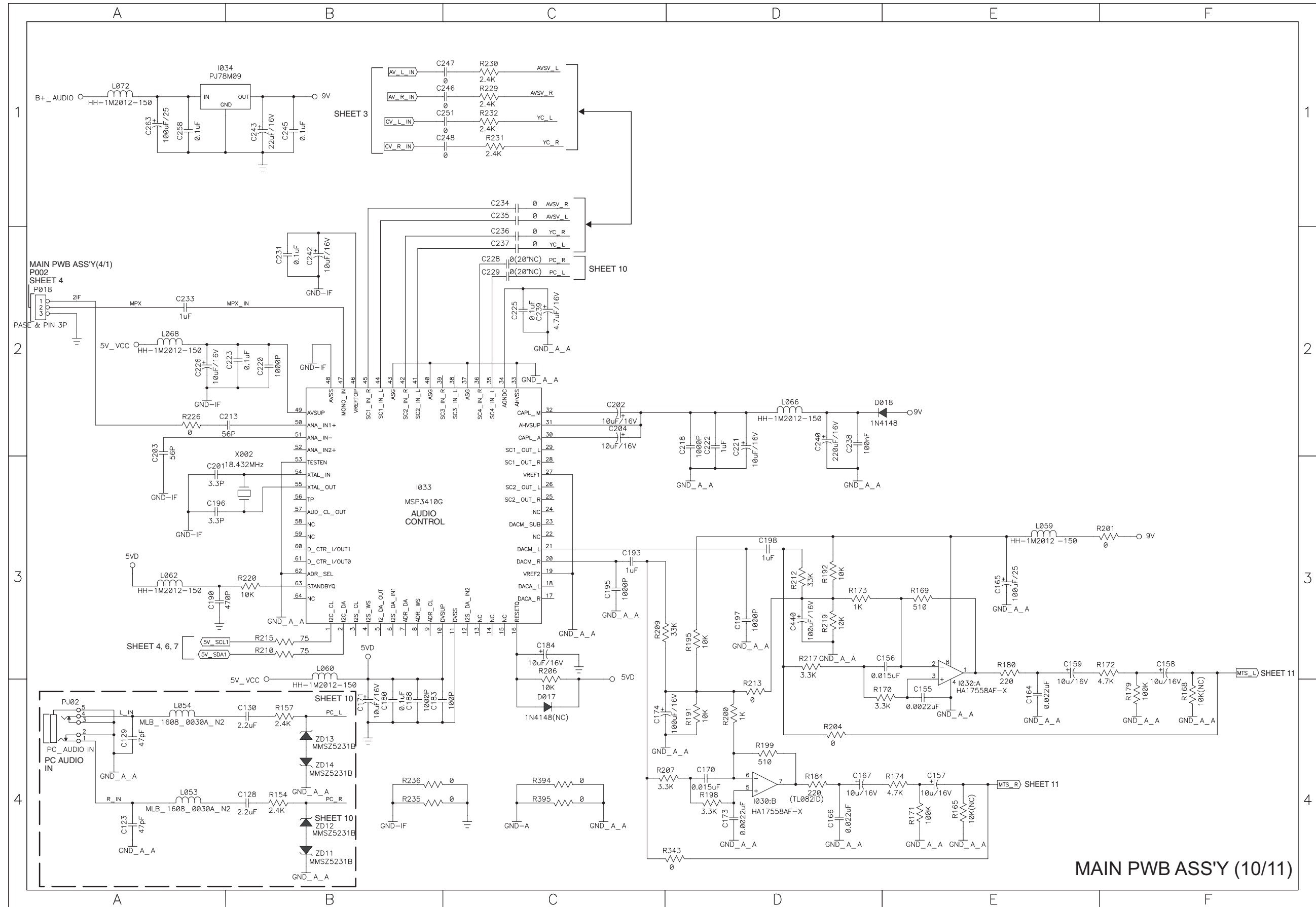


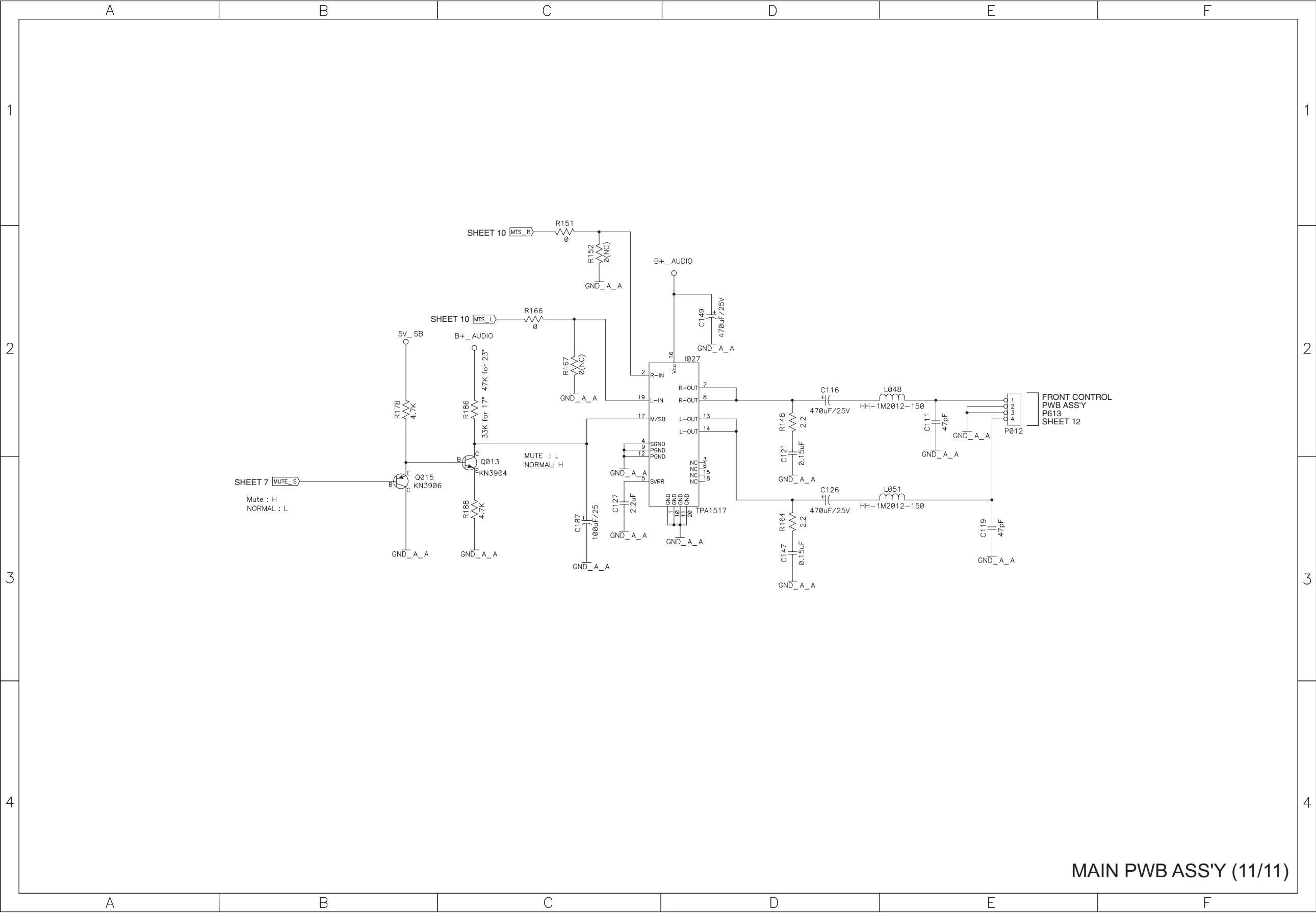


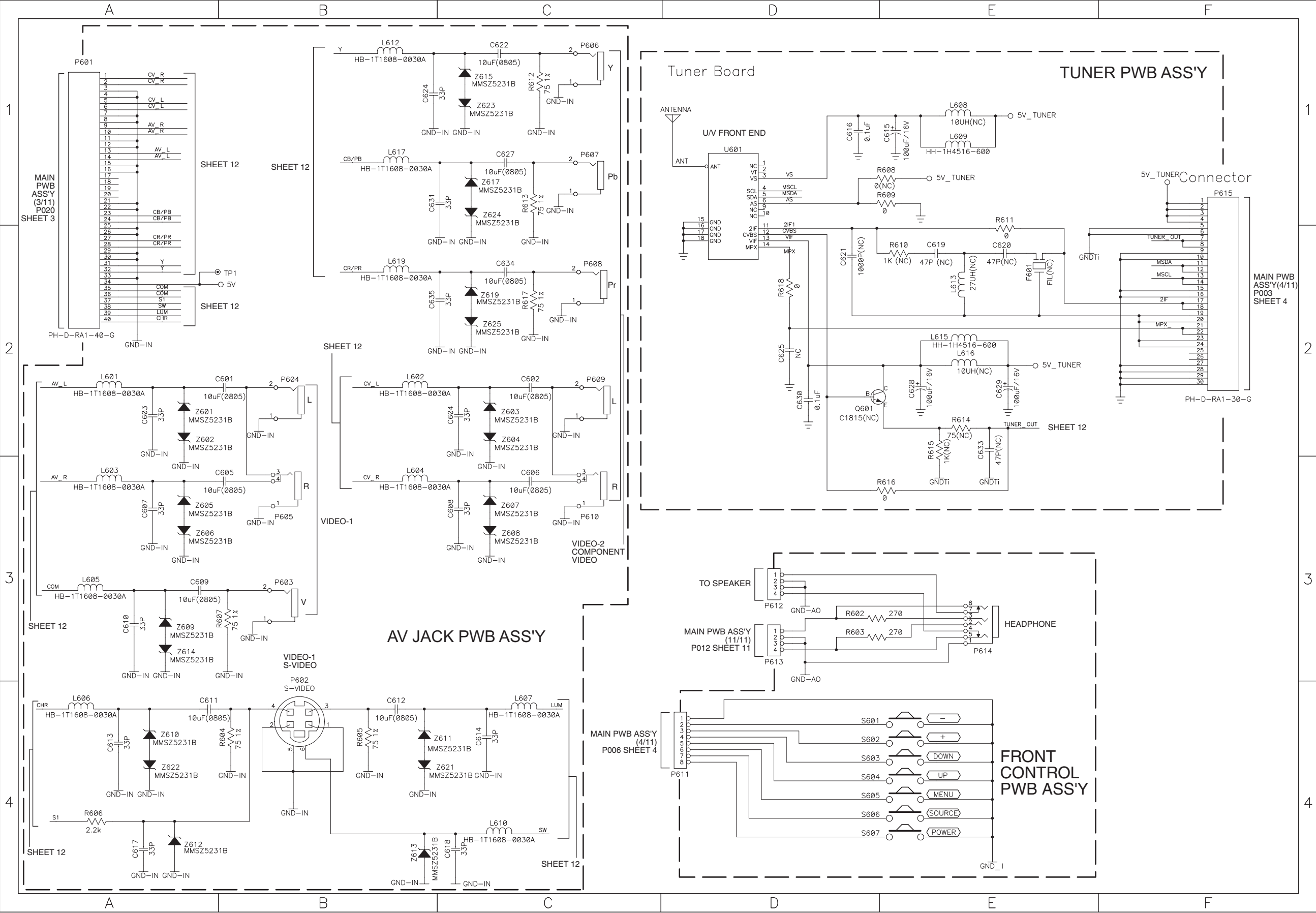




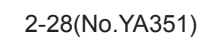




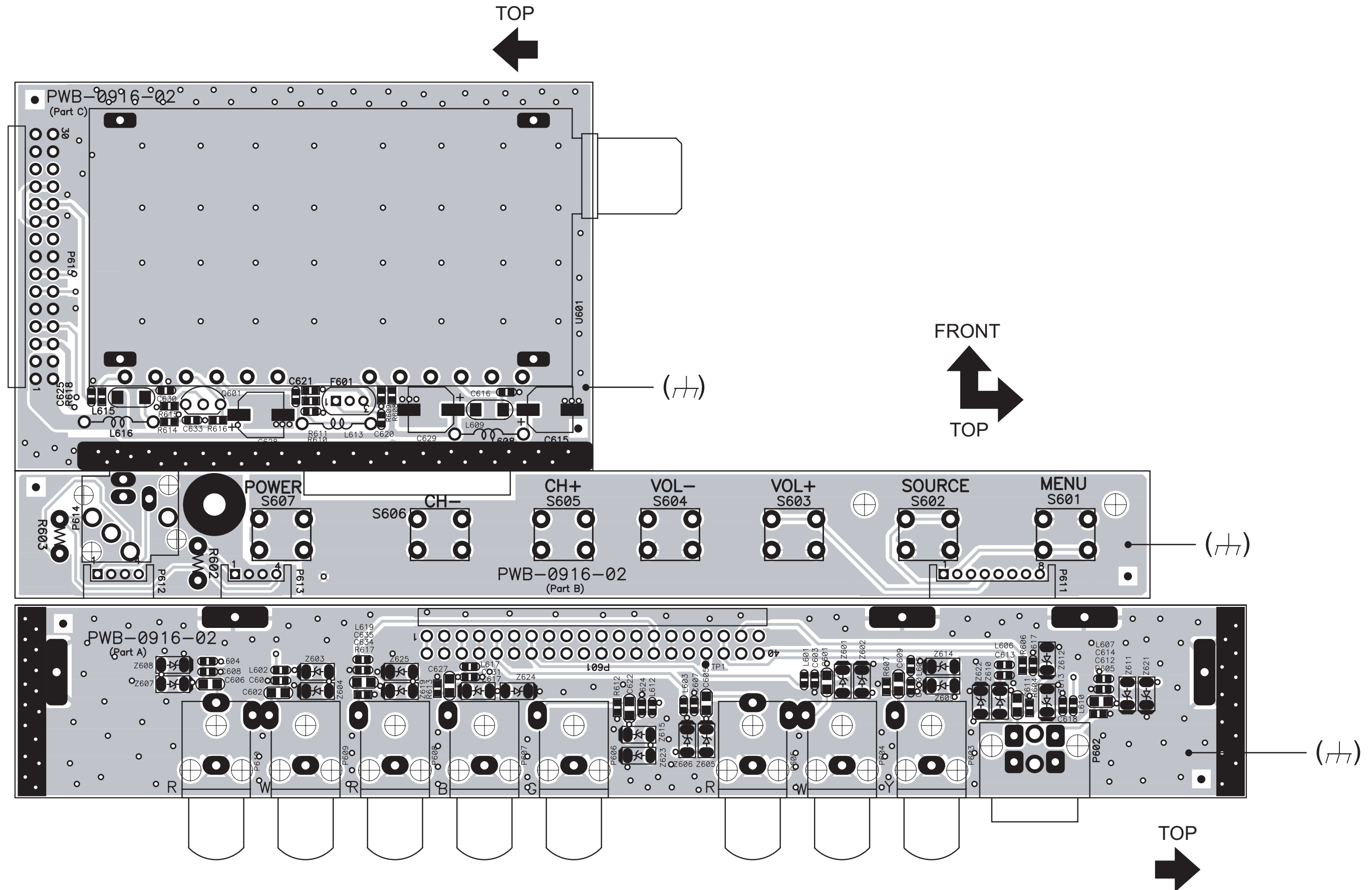




## MAIN PWB AND IR SENSER PWB PATTERN











Victor Company of Japan, Limited  
AV & MULTIMEDIA COMPANY VIDEO DISPLAY CATEGORY 12, 3-chome, Moriya-cho, kanagawa-ku, Yokohama-city, kanagawa-prefecture, 221-8528, Japan

(No.YA351)



Printed in Japan  
VPT



# PARTS LIST

## CAUTION

- The parts identified by the  $\Delta$  symbol are important for the safety . Whenever replacing these parts, be sure to use specified ones to secure the safety.
- The parts not indicated in this Parts List and those which are filled with lines --- in the Parts No. columns will not be supplied.
- P.W. BOARD Ass'y will not be supplied, but those which are filled with the Parts No. in the Parts No. columns will be supplied.

### ABBREVIATIONS OF RESISTORS, CAPACITORS AND TOLERANCES

RESISTORS		CAPACITORS	
CR	Carbon Resistor	C CAP.	Ceramic Capacitor
FR	Fusible Resistor	E CAP.	Electrolytic Capacitor
PR	Plate Resistor	M CAP.	Mylar Capacitor
VR	Variable Resistor	CH CAP.	Chip Capacitor
HV R	High Voltage Resistor	HV CAP.	High Voltage Capacitor
MF R	Metal Film Resistor	MF CAP.	Metalized Film Capacitor
MG R	Metal Glazed Resistor	MM CAP.	Metalized Mylar Capacitor
MP R	Metal Plate Resistor	MP CAP.	Metalized Polystyrol Capacitor
OM R	Metal Oxide Film Resistor	PP CAP.	Polypropylene Capacitor
CMF R	Coating Metal Film Resistor	PS CAP.	Polystyrol Capacitor
UNF R	Non-Flammable Resistor	TF CAP.	Thin Film Capacitor
CH V R	Chip Variable Resistor	MPP CAP.	Metalized Polypropylene Capacitor
CH MG R	Chip Metal Glazed Resistor	TAN. CAP.	Tantalum Capacitor
COMP. R	Composition Resistor	CH C CAP.	Chip Ceramic Capacitor
LPTC R	Linear Positive Temperature Coefficient Resistor	BP E CAP.	Bi-Polar Electrolytic Capacitor
		CH AL E CAP.	Chip Aluminum Electrolytic Capacitor
		CH AL BP CAP.	Chip Aluminum Bi-Polar Capacitor
		CH TAN. E CAP.	Chip Tantalum Electrolytic Capacitor
		CH AL BP E CAP.	Chip Tantalum Bi-Polar Electrolytic Capacitor

RESISTORS									
F	G	J	K	M	N	R	H	Z	P
±1%	±2%	±5%	±10%	±20%	±30%	+30% -10%	+50% -10%	+80% -20%	+100% -0%

# CONTENTS

## [LT-17AX5, LT-17AX5/S, LT-17AX5/A]

USING P.W. BOARD & REMOTE CONTROL UNIT .....	3-3
EXPLODED VIEW PARTS LIST .....	3-4
EXPLODED VIEW .....	3-5
PRINTED WIRING BOARD PARTS LIST .....	3-6
MAIN P.W. BOARD ASS'Y DA-5098801023 (PWB-0915-PART A-02) .....	3-6
IR SENSOR P.W. BOARD ASS'Y DA-5098801024 (PWB-0915-PART B-02) .....	3-9
AV JACK P.W. BOARD ASS'Y DA-098801025 (PWB-0916-PART B-02) .....	3-9
FRONT CONTROL P.W. BOARD ASS'Y DA-5098801031 (PWB-0916-PART B-02) .....	3-9
TUNER P.W. BOARD ASS'Y DA-5098801026 (PWB-0916-PART C-02) .....	3-9
PACKING .....	3-10
PACKING PARTS LIST .....	3-10

## [LT-23AX5, LT-23AX5/S, LT-23AX5/A]

USING P.W. BOARD & REMOTE CONTROL UNIT .....	3-11
EXPLODED VIEW PARTS LIST .....	3-12
EXPLODED VIEW .....	3-13
PRINTED WIRING BOARD PARTS LIST .....	3-14
MAIN P.W. BOARD ASS'Y DA-5098801036 (PWB-0915-PART A-02) .....	3-14
IR SENSOR P.W. BOARD ASS'Y DA-5098801037 (PWB-0915-PART B-02) .....	3-17
AV JACK P.W. BOARD ASS'Y DA-098801038 (PWB-0916-PART B-02) .....	3-18
FRONT CONTROL P.W. BOARD ASS'Y DA-5098801039 (PWB-0916-PART B-02) .....	3-18
TUNER P.W. BOARD ASS'Y DA-5098801040 (PWB-0916-PART C-02) .....	3-18
PACKING .....	3-19
PACKING PARTS LIST .....	3-19

## [LT-17AX5, LT-17AX5/S, LT-17AX5/A]

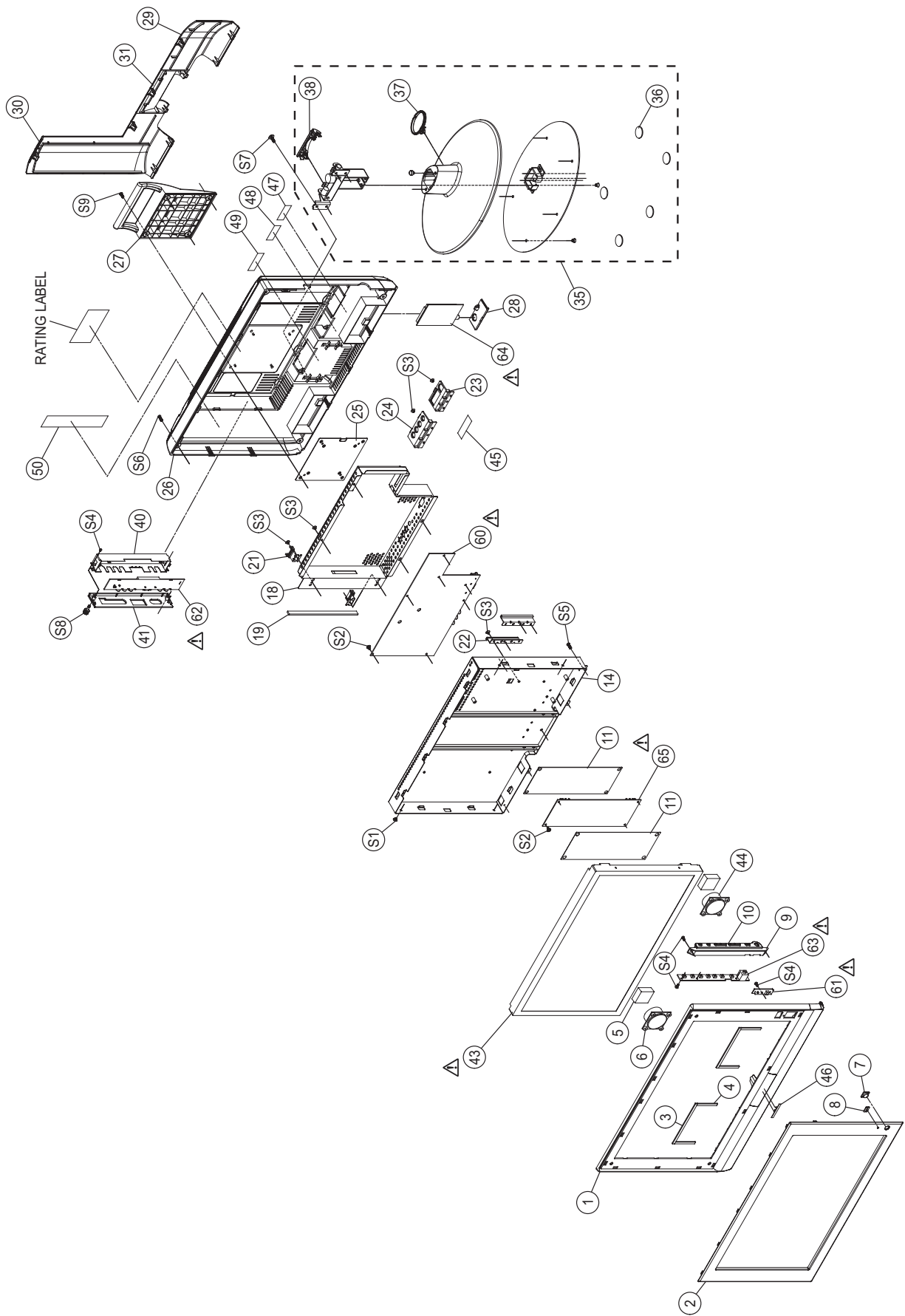
### USING P.W. BOARD & REMOTE CONTROL UNIT

P.W.B ASS'Y	LT-17AX5	LT-17AX5/S	LT-17AX5/A
MAIN P.W.B	DA-5098801023 (PWB-0915-PART A-02)	←	←
IR SENSOR P.W.B	DA-5098801024 (PWB-0915-PART B-02)	←	←
AV JACK P.W.B	DA-5098801025 (PWB-0916-PART A-02)	←	←
FRONT CONTROL P.W.B	DA-5098801031 (PWB-0916-PART B-02)	←	←
TUNER P.W.B	DA-5098801026 (PWB-0916-PART C-02)	←	←
INVERTER P.W.B	DA-E053910011	←	←
REMOTE CONTROL UNIT	DA-E052731048	←	←

# EXPLODED VIEW PARTS LIST

△	Ref.No.	Part No.	Part Name	Description	Local
	1	DA-E641103402	FRONT COVER		
	2	DA-E641103304	FRONT COVER-MASK		
	3	DA-E642026406	SP SPONGE	(x2)	
	4	DA-E642026409	SP SPONGE	(x4)	
	5	DA-E642025603	HIGH DENSITY SPONGE	(x2)	
	6	DA-E642026500	SPEAKER RUBBER	(x8)	
	7	DA-E640331900	IR LENS		
	8	DA-E640331800	LED LENS		
	9	DA-E642319500	KEY COVER		
	10	DA-E642850600	KEY		
	11	DA-E646505600	INV MYLAR	(x2)	
	14	DA-E642729101	LCD BRACKET		
	18	DA-E646255501	MAIN PWB SHIELD		
	19	DA-E642025325	SHIELD GASKET		
	21	DA-E648742300	MODULE BRACKET	(x2)	
	22	DA-E648742200	TUNER BRACKET	(x2)	
	23	DA-E642318810	D-SUB COVE		
	24	DA-E642318910	AUDIO COVER		
	25	DA-E648731701	VISA BRACKET		
	26	DA-E642296900	BACK COVER		
	27	DA-E642901116	HANDLE		
	28	DA-E642318710	TUNER COVER		
	29	DA-E642319010	CABLE COVER(L)		
	30	DA-E642319110	CABLE COVER(R)		
	31	DA-E641414601	NECK COVER		
	35	DA-5095854607	STAND ASS'Y	Inc.36-38	
	36	DA-E642025401	RUBBER FOOT	(x5)	
	37	DA-E642679300	CABLE HOLDER		
	38	DA-E641414701	HINGE COVER		
	40	DA-E646255800	AV JACK PWB SHIELD		
	41	DA-E642679610	AV JACK PWB COVER		
△	43	DA-5051253644	LCD MODULE		
	44	DA-E055125200	SPEAKER	(x2) SP01,SP02	
	45	DA-E642438500	AUDIO DAMMY COVER		
	46	DA-E642440500	JVC MARK		
	47	DA-E642425400	LABEL(TUNER)		
	48	DA-E642426500	LABEL(POWER)		
	49	DA-E642439000	LABEL(AUDIO)		
	50	DA-E642429400	LABEL(AV)		
△	60	DA-5098801023	MAIN PWB	(PWB-0915-Part A-02)	
△	61	DA-5098801024	IR SENSOR PWB	(PWB-0915-Part B-02)	
△	62	DA-5098801025	AV JACK PWB	(PWB-0916-Part A-02)	
△	63	DA-5098801031	FRONT CONTROL PWB	(PWB-0916-Part B-02)	
△	64	DA-5098801026	TUNER PWB	(PWB-0916-Part C-02)	
△	65	DA-E053910011	INVERTER PWB		
	S1	DA-G190562305	SCREW	PPWN-M3X5(nylok)(x4)	
	S2	DA-G000311032	SCREW	PPW-M3X6(x12)	
	S3	DA-G136160252	SCREW	PRWS-M3X4(x12)	
	S4	DA-G134161182	SCREW	PZP-M3X8(x8)	
	S5	DA-G134251482	SCREW	PZP-M4X10(x5)	
	S6	DA-G134251682	SCREW	PZP-M4X12(x4)	
	S7	DA-G190540084	SCREW	PP-M4X16+SW(x4)	
	S8	DA-E640228300	SCREW	M4xL14xD10(x2)	
	S9	DA-G134251456	SCREW	PZS-M4X10(x4)	

EXPLODED VIEW



# PRINTED WIRING BOARD PARTS LIST

MAIN P.W. BOARD ASS'Y  
DA-5098801023 (PWB-0915-PART A-02)

△Ref No.	Part No.	Part Name	Description	Local	△Ref No.	Part No.	Part Name	Description	Local
I001	DA-F640031025	IC	AP1084KA(ADJ)		C016	DA-E240610191	CAPACITOR	50V 100pF J	
I002	DA-F626110018	IC	SI4435BDY		C017	DA-E240610191	CAPACITOR	50V 100pF J	
I003	DA-F640031025	IC	AP1084KA(ADJ)		C020	DA-E240610191	CAPACITOR	50V 100pF J	
I004	DA-F640031014	IC	AP1117E18LA		C022	DA-E240610191	CAPACITOR	50V 100pF J	
I005	DA-F640000355	IC	LM3485		C024	DA-E218027093	CAPACITOR	16V 100uF M	
I006	DA-F626110018	IC	SI4435BDY		C025	DA-E230003391	CAPACITOR	25V 0.1uF Z	
I009	DA-F640010150	IC	AP1117E33LA		C027	DA-E218027093	CAPACITOR	16V 100uF M	
I010	DA-F626110018	IC	SI4435BDY		C028	DA-E230003391	CAPACITOR	25V 0.1uF Z	
I011	DA-F626020011	IC	2N7002		C029	DA-E218027093	CAPACITOR	16V 100uF M	
I013	DA-F647026154	IC(FLASH ROM)	SST39SF040-70-4C-NHM		C030	DA-E240610191	CAPACITOR	50V 100pF J	
I015	DA-F647310702	IC	W24257AJ-8N		C031	DA-E230003391	CAPACITOR	25V 0.1uF Z	
I016	DA-F647073054	IC	M30620SPGP		C032	DA-E230003391	CAPACITOR	25V 0.1uF Z	
I017	DA-F647005555	IC(EEPROM)	BR24L02F-W		C034	DA-E230003391	CAPACITOR	25V 0.1uF Z	
I018	DA-F649001852	IC	AD9883KSTZ-110		C035	DA-E216029302	CAPACITOR	35V 330uF M	
I019	DA-F640010150	IC	AP1117E33LA		C037	DA-E218027093	CAPACITOR	16V 100uF M	
I021	DA-F626110018	IC	SI4435BDY		C039	DA-E230003391	CAPACITOR	25V 0.1uF Z	
I023	DA-F647026450	IC	BR24L64F-W		C043	DA-E250810591	CAPACITOR	25V 1uF Z	
I024	DA-F640000958	IC	HT7044A-1		C044	DA-E230003391	CAPACITOR	25V 0.1uF Z	
I025	DA-F640010150	IC	AP1117E33LA		C045	DA-E218027093	CAPACITOR	16V 100uF M	
I027	DA-F644051155	IC	TPA1517DWP		C046	DA-E216028903	CAPACITOR	25V 470uF M	
I028	DA-F640010159	IC	AP1117E25LA		C048	DA-E216028903	CAPACITOR	25V 470uF M	
I032	DA-F647014558	IC	K4D263238F		C052	DA-E230002791	CAPACITOR	16V 0.47uF Z	
I033	DA-F646036751	IC	MSP3450G		C053	DA-E218027293	CAPACITOR	16V 47uF M	
I034	DA-F640000655	IC	BA17809FP		C054	DA-E218007993	CAPACITOR	16V 100uF M	
I035	DA-F626090068	IC	AO6800/AO6800L		C056	DA-E230647391	CAPACITOR	50V 47000pF K	
I036	DA-F626090068	IC	AO6800/AO6800L		C057	DA-E230647391	CAPACITOR	50V 47000pF K	
I037	DA-F647003352	IC	SVP-EX52-L		C058	DA-E230682391	CAPACITOR	50V 82000pF K	
Q001	DA-F622010011	TRANSISTOR	MMBT3904		C059	DA-E240610191	CAPACITOR	50V 100pF J	
Q002	DA-F622010011	TRANSISTOR	MMBT3904		C061	DA-E218008893	CAPACITOR	16V 22uF M	
Q003	DA-F622010011	TRANSISTOR	MMBT3904		C062	DA-E230003391	CAPACITOR	25V 0.1uF Z	
Q004	DA-F622010011	TRANSISTOR	MMBT3904		C064	DA-E240647091	CAPACITOR	50V 47pF J	
Q005	DA-F622010011	TRANSISTOR	MMBT3904		C065	DA-E230003391	CAPACITOR	25V 0.1uF Z	
Q006	DA-F623010011	TRANSISTOR	MMBT3906		C066	DA-E230610291	CAPACITOR	50V 1000pF K	
Q007	DA-F623010011	TRANSISTOR	MMBT3906		C067	DA-E230610291	CAPACITOR	50V 1000pF K	
Q008	DA-F623010011	TRANSISTOR	MMBT3906		C068	DA-E230682291	CAPACITOR	50V 8200pF K	
Q009	DA-F622010011	TRANSISTOR	MMBT3904		C069	DA-E230003391	CAPACITOR	25V 0.1uF Z	
Q010	DA-F623010011	TRANSISTOR	MMBT3906		C070	DA-E230003391	CAPACITOR	25V 0.1uF Z	
Q013	DA-F622010011	TRANSISTOR	MMBT3904		C071	DA-E230003391	CAPACITOR	25V 0.1uF Z	
Q015	DA-F623010011	TRANSISTOR	MMBT3906		C072	DA-E230003391	CAPACITOR	25V 0.1uF Z	
Q042	DA-F622010011	TRANSISTOR	MMBT3904		C075	DA-E230003391	CAPACITOR	25V 0.1uF Z	
D005	DA-F611020036	DIODE	SX34		C077	DA-E230647391	CAPACITOR	50V 47000pF K	
D008	DA-F613020019	DIODE	LL1418		C078	DA-E230003391	CAPACITOR	25V 0.1uF Z	
D012	DA-F611020021	DIODE	BAT54S		C082	DA-E230610291	CAPACITOR	50V 1000pF K	
D013	DA-F611020021	DIODE	BAT54S		C085	DA-E230647391	CAPACITOR	50V 47000pF K	
D014	DA-F613020019	DIODE	LL1418		C086	DA-E230610291	CAPACITOR	50V 1000pF K	
D015	DA-F611020011	DIODE	BAT54C		C088	DA-E230003391	CAPACITOR	25V 0.1uF Z	
D018	DA-F613020019	DIODE	LL1418		C090	DA-E230003391	CAPACITOR	25V 0.1uF Z	
D022	DA-F613020019	DIODE	LL1418		C092	DA-E230003391	CAPACITOR	25V 0.1uF Z	
D026	DA-F613020019	DIODE	LL1418		C094	DA-E230003391	CAPACITOR	25V 0.1uF Z	
D028	DA-F613020019	DIODE	LL1418		C095	DA-E230647391	CAPACITOR	50V 47000pF K	
ZD01	DA-F615002361	Z DIODE	MMSZ5231B		C097	DA-E230003391	CAPACITOR	25V 0.1uF Z	
ZD02	DA-F615002361	Z DIODE	MMSZ5231B		C098	DA-E230610291	CAPACITOR	50V 1000pF K	
ZD03	DA-F615002361	Z DIODE	MMSZ5231B		C099	DA-E218007993	CAPACITOR	16V 100uF M	
ZD04	DA-F615002361	Z DIODE	MMSZ5231B		C100	DA-E230610291	CAPACITOR	50V 1000pF K	
ZD05	DA-F615002361	Z DIODE	MMSZ5231B		C101	DA-E230003391	CAPACITOR	25V 0.1uF Z	
ZD06	DA-F615002361	Z DIODE	MMSZ5231B		C102	DA-E230003391	CAPACITOR	25V 0.1uF Z	
ZD07	DA-F615002361	Z DIODE	MMSZ5231B		C103	DA-E230003391	CAPACITOR	25V 0.1uF Z	
ZD08	DA-F615002361	Z DIODE	MMSZ5231B		C104	DA-E230003391	CAPACITOR	25V 0.1uF Z	
ZD09	DA-F615002361	Z DIODE	MMSZ5231B		C105	DA-E240605091	CAPACITOR	50V 5pF	
ZD10	DA-F615002361	Z DIODE	MMSZ5231B		C106	DA-E230003391	CAPACITOR	25V 0.1uF Z	
ZD11	DA-F615002361	Z DIODE	MMSZ5231B		C107	DA-E218008893	CAPACITOR	16V 22uF M	
ZD12	DA-F615002361	Z DIODE	MMSZ5231B		C110	DA-E218007993	CAPACITOR	16V 100uF M	
ZD13	DA-F615002361	Z DIODE	MMSZ5231B		C111	DA-E240647091	CAPACITOR	50V 47pF J	
ZD14	DA-F615002361	Z DIODE	MMSZ5231B		C112	DA-E218008893	CAPACITOR	16V 22uF M	
ZD15	DA-F615010091	Z DIODE	BZT52C3V6		C113	DA-E230003391	CAPACITOR	25V 0.1uF Z	
C001	DA-E230003391	CAPACITOR	25V 0.1uF Z		C115	DA-E230003391	CAPACITOR	25V 0.1uF Z	
C003	DA-E216029302	CAPACITOR	35V 330uF M		C116	DA-E216028903	CAPACITOR	25V 470uF M	
C004	DA-E230003391	CAPACITOR	25V 0.1uF Z		C119	DA-E240647091	CAPACITOR	50V 47pF J	
C005	DA-E218027093	CAPACITOR	16V 100uF M		C120	DA-E230003391	CAPACITOR	25V 0.1uF Z	
C007	DA-E218027093	CAPACITOR	16V 100uF M		C121	DA-E230019191	CAPACITOR	16V 0.15uF Z	
C008	DA-E230003391	CAPACITOR	25V 0.1uF Z		C122	DA-E218007993	CAPACITOR	16V 100uF M	
C009	DA-E218027093	CAPACITOR	16V 100uF M		C123	DA-E240647091	CAPACITOR	50V 47pF J	
C010	DA-E230003391	CAPACITOR	25V 0.1uF Z		C124	DA-E230003391	CAPACITOR	25V 0.1uF Z	
C011	DA-E230003391	CAPACITOR	25V 0.1uF Z		C126	DA-E216028903	CAPACITOR	25V 470uF M	
C012	DA-E218027093	CAPACITOR	16V 100uF M		C127	DA-E230014191	CAPACITOR	16V 2.2uF M	
C013	DA-E240610191	CAPACITOR	50V 100pF J		C128	DA-E230014191	CAPACITOR	16V 2.2uF M	
C014	DA-E240610191	CAPACITOR	50V 100pF J		C129	DA-E240647091	CAPACITOR	50V 47pF J	
C015	DA-E240610191	CAPACITOR	50V 100pF J		C130	DA-E230014191	CAPACITOR	16V 2.2uF M	
					C133	DA-E218008893	CAPACITOR	16V 22uF M	
					C136	DA-E218007893	CAPACITOR	16V 10uF M	
					C137	DA-E218007893	CAPACITOR	16V 10uF M	
					C138	DA-E230003391	CAPACITOR	25V 0.1uF Z	
					C140	DA-E240615091	CAPACITOR	50V 15pF J	
					C141	DA-E240615091	CAPACITOR	50V 15pF J	

△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
C142	DA-E230610291	CAPACITOR	50V 1000pF K	C460	DA-E230610391	CAPACITOR	50V 10000pF K
C143	DA-E218007893	CAPACITOR	16V 10uF M	R001	DA-E134600009	RESISTOR	1/10W 0Ω J
C145	DA-E230003391	CAPACITOR	25V 0.1uF Z	R002	DA-E134600009	RESISTOR	1/10W 0Ω J
C147	DA-E230019191	CAPACITOR	16V 0.15uF Z	R003	DA-E134600009	RESISTOR	1/10W 0Ω J
C149	DA-E216028903	CAPACITOR	25V 470uF M	R004	DA-E134600009	RESISTOR	1/10W 0Ω J
C150	DA-E230003391	CAPACITOR	25V 0.1uF Z	R005	DA-E134639109	RESISTOR	1/10W 390Ω J
C151	DA-E230003391	CAPACITOR	25V 0.1uF Z	R006	DA-E134624109	RESISTOR	1/10W 240Ω J
C162	DA-E218007993	CAPACITOR	16V 100uF M	R007	DA-E134610309	RESISTOR	1/10W 10kΩ J
C163	DA-E218007993	CAPACITOR	16V 100uF M	R008	DA-E134610409	RESISTOR	1/10W 100kΩ J
C169	DA-E218006393	CAPACITOR	16V 220uF M	R009	DA-E134647209	RESISTOR	1/10W 4.7kΩ J
C171	DA-E218007893	CAPACITOR	16V 10uF M	R010	DA-E134610309	RESISTOR	1/10W 10kΩ J
C175	DA-E230003391	CAPACITOR	25V 0.1uF Z	R011	DA-E134610409	RESISTOR	1/10W 100kΩ J
C180	DA-E230003391	CAPACITOR	25V 0.1uF Z	R012	DA-E134647209	RESISTOR	1/10W 4.7kΩ J
C183	DA-E240610191	CAPACITOR	50V 100pF J	R014	DA-E134610309	RESISTOR	1/10W 10kΩ J
C184	DA-E218007893	CAPACITOR	16V 10uF M	R015	DA-E134647209	RESISTOR	1/10W 4.7kΩ J
C187	DA-E216027903	CAPACITOR	25V 100uF M	R016	DA-E134610309	RESISTOR	1/10W 10kΩ J
C188	DA-E230610291	CAPACITOR	50V 1000pF K	R017	DA-E134647209	RESISTOR	1/10W 4.7kΩ J
C190	DA-E240647191	CAPACITOR	50V 470pF J	R018	DA-E134615209	RESISTOR	1/10W 1.5kΩ J
C193	DA-E250810591	CAPACITOR	25V 1uF Z	R019	DA-E134610209	RESISTOR	1/10W 1kΩ J
C195	DA-E230610291	CAPACITOR	50V 1000pF K	R020	DA-E134647209	RESISTOR	1/10W 4.7kΩ J
C196	DA-E24063391	CAPACITOR	50V 3.3pF	R022	DA-E134633309	RESISTOR	1/10W 33kΩ J
C197	DA-E230610291	CAPACITOR	50V 1000pF K	R024	DA-E134600009	RESISTOR	1/10W 0Ω J
C198	DA-E250810591	CAPACITOR	25V 1uF Z	R026	DA-E134600009	RESISTOR	1/10W 0Ω J
C200	DA-E218008893	CAPACITOR	16V 22uF M	R028	DA-E134600009	RESISTOR	1/10W 0Ω J
C201	DA-E24063391	CAPACITOR	50V 3.3pF	R029	DA-E134600009	RESISTOR	1/10W 0Ω J
C202	DA-E218007893	CAPACITOR	16V 10uF M	R030	DA-E134633009	RESISTOR	1/10W 33Ω J
C203	DA-E240656091	CAPACITOR	50V 56pF J	R031	DA-E134600009	RESISTOR	1/10W 0Ω J
C204	DA-E218007893	CAPACITOR	16V 10uF M	R032	DA-E134633009	RESISTOR	1/10W 33Ω J
C205	DA-E230003391	CAPACITOR	25V 0.1uF Z	R034	DA-E134610509	RESISTOR	1/10W 1MΩ J
C206	DA-E230003391	CAPACITOR	25V 0.1uF Z	R035	DA-E134633009	RESISTOR	1/10W 33Ω J
C207	DA-E230003391	CAPACITOR	25V 0.1uF Z	R036	DA-E134615009	RESISTOR	1/10W 15Ω J
C209	DA-E230003391	CAPACITOR	25V 0.1uF Z	R038	DA-E134600009	RESISTOR	1/10W 0Ω J
C210	DA-E230003391	CAPACITOR	25V 0.1uF Z	R039	DA-E134600009	RESISTOR	1/10W 0Ω J
C211	DA-E230003391	CAPACITOR	25V 0.1uF Z	R041	DA-E134647209	RESISTOR	1/10W 4.7kΩ J
C212	DA-E230003391	CAPACITOR	25V 0.1uF Z	R042	DA-E134600009	RESISTOR	1/10W 0Ω J
C213	DA-E240656091	CAPACITOR	50V 56pF J	R043	DA-E134647209	RESISTOR	1/10W 4.7kΩ J
C214	DA-E230003391	CAPACITOR	25V 0.1uF Z	R044	DA-E134600009	RESISTOR	1/10W 0Ω J
C215	DA-E230003391	CAPACITOR	25V 0.1uF Z	R045	DA-E134647209	RESISTOR	1/10W 4.7kΩ J
C216	DA-E230003391	CAPACITOR	25V 0.1uF Z	R046	DA-E134633009	RESISTOR	1/10W 33Ω J
C217	DA-E230003391	CAPACITOR	25V 0.1uF Z	R048	DA-E134610309	RESISTOR	1/10W 10kΩ J
C218	DA-E230610291	CAPACITOR	50V 1000pF K	R049	DA-E134622209	RESISTOR	1/10W 2.2kΩ J
C220	DA-E230610291	CAPACITOR	50V 1000pF K	R050	DA-E134647009	RESISTOR	1/10W 47Ω J
C221	DA-E218007893	CAPACITOR	16V 10uF M	R051	DA-E134647209	RESISTOR	1/10W 4.7kΩ J
C222	DA-E250810591	CAPACITOR	25V 1uF Z	R052	DA-E134647209	RESISTOR	1/10W 4.7kΩ J
C226	DA-E218007893	CAPACITOR	16V 10uF M	R054	DA-E134610209	RESISTOR	1/10W 1kΩ J
C233	DA-E250810591	CAPACITOR	25V 1uF Z	R055	DA-E134630109	RESISTOR	1/10W 300Ω J
C239	DA-E218027493	CAPACITOR	50V 4.70uF M	R056	DA-E134630109	RESISTOR	1/10W 300Ω J
C240	DA-E218006393	CAPACITOR	16V 220uF M	R057	DA-E134627209	RESISTOR	1/10W 2.7kΩ J
C242	DA-E218007893	CAPACITOR	16V 10uF M	R058	DA-E134600009	RESISTOR	1/10W 0Ω J
C243	DA-E218008893	CAPACITOR	16V 22uF M	R059	DA-E134647009	RESISTOR	1/10W 47Ω J
C263	DA-E216027903	CAPACITOR	25V 100uF M	R060	DA-E134622209	RESISTOR	1/10W 2.2kΩ J
C276	DA-E240668091	CAPACITOR	50V 68pF J	R061	DA-E134210009	RESISTOR	1/10W 100Ω F
C285	DA-E240668091	CAPACITOR	50V 68pF J	R062	DA-E134210009	RESISTOR	1/10W 100Ω F
C286	DA-E240622091	CAPACITOR	50V 22pF J	R063	DA-E134600009	RESISTOR	1/10W 0Ω J
C288	DA-E218007993	CAPACITOR	16V 100uF M	R064	DA-E134600009	RESISTOR	1/10W 0Ω J
C294	DA-E230610391	CAPACITOR	50V 10000pF K	R065	DA-E134647209	RESISTOR	1/10W 4.7kΩ J
C296	DA-E240622091	CAPACITOR	50V 22pF J	R066	DA-E134647209	RESISTOR	1/10W 4.7kΩ J
C308	DA-E218008893	CAPACITOR	16V 22uF M	R067	DA-E134600009	RESISTOR	1/10W 0Ω J
C320	DA-E218008893	CAPACITOR	16V 22uF M	R068	DA-E134600009	RESISTOR	1/10W 0Ω J
C341	DA-E218008893	CAPACITOR	16V 22uF M	R069	DA-E134610309	RESISTOR	1/10W 10kΩ J
C343	DA-E218008893	CAPACITOR	16V 22uF M	R071	DA-E134210009	RESISTOR	1/10W 100Ω F
C346	DA-E240627291	CAPACITOR	50V 2700pF J	R072	DA-E134275099	RESISTOR	1/10W 75Ω F
C354	DA-E218008893	CAPACITOR	16V 22uF M	R073	DA-E134600009	RESISTOR	1/10W 0Ω J
C356	DA-E218008893	CAPACITOR	16V 22uF M	R074	DA-E134600009	RESISTOR	1/10W 0Ω J
C364	DA-E240627291	CAPACITOR	50V 2700pF J	R076	DA-E134275099	RESISTOR	1/10W 75Ω F
C377	DA-E218008893	CAPACITOR	16V 22uF M	R077	DA-E134647209	RESISTOR	1/10W 4.7kΩ J
C381	DA-E218008893	CAPACITOR	16V 22uF M	R078	DA-E134210009	RESISTOR	1/10W 100Ω F
C396	DA-E218008893	CAPACITOR	16V 22uF M	R079	DA-E134275099	RESISTOR	1/10W 75Ω F
C430	DA-E216028903	CAPACITOR	25V 470uF M	R081	DA-E134622009	RESISTOR	1/10W 22Ω J
C434	DA-E230610291	CAPACITOR	50V 1000pF K	R082	DA-E134622009	RESISTOR	1/10W 22Ω J
C435	DA-E216029302	CAPACITOR	35V 330uF M	R085	DA-E134600009	RESISTOR	1/10W 0Ω J
C436	DA-E240622191	CAPACITOR	50V 220pF J	R087	DA-E134600009	RESISTOR	1/10W 0Ω J
C437	DA-E240622191	CAPACITOR	50V 220pF J	R088	DA-E134275099	RESISTOR	1/10W 75Ω F
C439	DA-E218027093	CAPACITOR	16V 100uF M	R089	DA-E134600009	RESISTOR	1/10W 0Ω J
C441	DA-E218007993	CAPACITOR	16V 100uF M	R090	DA-E134647209	RESISTOR	1/10W 4.7kΩ J
C443	DA-E218007893	CAPACITOR	16V 10uF M	R092	DA-E134647209	RESISTOR	1/10W 4.7kΩ J
C445	DA-E218007993	CAPACITOR	16V 100uF M	R096	DA-E134210009	RESISTOR	1/10W 100Ω F
C446	DA-E230647291	CAPACITOR	50V 4700pF K	R097	DA-E134275099	RESISTOR	1/10W 75Ω F
C447	DA-E230610391	CAPACITOR	50V 10000pF K	R099	DA-E134610309	RESISTOR	1/10W 10kΩ J
C448	DA-E230610391	CAPACITOR	50V 10000pF K	R100	DA-E134647209	RESISTOR	1/10W 4.7kΩ J
C449	DA-E230610391	CAPACITOR	50V 10000pF K	R102	DA-E134210009	RESISTOR	1/10W 100Ω F
C451	DA-E230610391	CAPACITOR	50V 10000pF K	R104	DA-E134210009	RESISTOR	1/10W 100Ω F
C453	DA-E218007893	CAPACITOR	16V 10uF M	R105	DA-E134610309	RESISTOR	1/10W 10kΩ J
C454	DA-E218007993	CAPACITOR	16V 100uF M	R106	DA-E134275099	RESISTOR	1/10W 75Ω F
C455	DA-E230610391	CAPACITOR	50V 10000pF K	R107	DA-E134275099	RESISTOR	1/10W 75Ω F
C458	DA-E230647291	CAPACITOR	50V 4700pF K	R108	DA-E134647209	RESISTOR	1/10W 4.7kΩ J
C459	DA-E230610391	CAPACITOR	50V 10000pF K				

△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
R109	DA-E134612209	RESISTOR	1/10W 1.2kΩ J	R416	DA-E134610209	RESISTOR	1/10W 1kΩ J
R110	DA-E134610309	RESISTOR	1/10W 10kΩ J	R417	DA-E134610209	RESISTOR	1/10W 1kΩ J
R112	DA-E134600009	RESISTOR	1/10W 0Ω J	R418	DA-E134610209	RESISTOR	1/10W 1kΩ J
R113	DA-E134600009	RESISTOR	1/10W 0Ω J	R419	DA-E134610209	RESISTOR	1/10W 1kΩ J
R114	DA-E134610309	RESISTOR	1/10W 10kΩ J	R420	DA-E134610209	RESISTOR	1/10W 1kΩ J
R115	DA-E134610309	RESISTOR	1/10W 10kΩ J	R421	DA-E134610209	RESISTOR	1/10W 1kΩ J
R116	DA-E134610309	RESISTOR	1/10W 10kΩ J	R422	DA-E134610209	RESISTOR	1/10W 1kΩ J
R120	DA-E134275099	RESISTOR	1/10W 75Ω F	RP01	DA-E160310101	NET RESISTOR	33Ω Jx4
R121	DA-E134275099	RESISTOR	1/10W 75Ω F	RP03	DA-E160310138	NET RESISTOR	15Ω Jx4
R124	DA-E134610309	RESISTOR	1/10W 10kΩ J	RP04	DA-E160310101	NET RESISTOR	33Ω Jx4
R128	DA-E134610409	RESISTOR	1/10W 100kΩ J	RP06	DA-E160310138	NET RESISTOR	15Ω Jx4
R138	DA-E134682209	RESISTOR	1/10W 8.2kΩ J	RP07	DA-E160310138	NET RESISTOR	15Ω Jx4
R139	DA-E134610409	RESISTOR	1/10W 100kΩ J	RP08	DA-E160310138	NET RESISTOR	15Ω Jx4
R148	DA-E134622909	RESISTOR	1/10W 2.2Ω J	RP09	DA-E160310138	NET RESISTOR	15Ω Jx4
R151	DA-E134600009	RESISTOR	1/10W 0Ω J	RP10	DA-E160310138	NET RESISTOR	15Ω Jx4
R154	DA-E134624209	RESISTOR	1/10W 2.4kΩ J	RP11	DA-E160310101	NET RESISTOR	33Ω Jx4
R157	DA-E134624209	RESISTOR	1/10W 2.4kΩ J	RP12	DA-E160310101	NET RESISTOR	33Ω Jx4
R164	DA-E134622909	RESISTOR	1/10W 2.2Ω J	RP13	DA-E160310101	NET RESISTOR	33Ω Jx4
R166	DA-E134600009	RESISTOR	1/10W 0Ω J	RP14	DA-E160310101	NET RESISTOR	33Ω Jx4
R178	DA-E134647209	RESISTOR	1/10W 4.7kΩ J	RP19	DA-E160310126	NET RESISTOR	100Ω Jx4
R186	DA-E134633309	RESISTOR	1/10W 33kΩ J	RP20	DA-E160310126	NET RESISTOR	100Ω Jx4
R188	DA-E134647209	RESISTOR	1/10W 4.7kΩ J	RP27	DA-E160310101	NET RESISTOR	33Ω Jx4
R189	DA-E134612209	RESISTOR	1/10W 1.2kΩ J	RP29	DA-E160310101	NET RESISTOR	33Ω Jx4
R190	DA-E134622109	RESISTOR	1/10W 220Ω J	RP30	DA-E160310138	NET RESISTOR	15Ω Jx4
R193	DA-E134615309	RESISTOR	1/10W 15kΩ J	RP31	DA-E160310138	NET RESISTOR	15Ω Jx4
R196	DA-E134600009	RESISTOR	1/10W 0Ω J	RP32	DA-E160310138	NET RESISTOR	15Ω Jx4
R204	DA-E134600009	RESISTOR	1/10W 0Ω J	RP33	DA-E160310138	NET RESISTOR	15Ω Jx4
R206	DA-E134610309	RESISTOR	1/10W 10kΩ J	RP34	DA-E160310138	NET RESISTOR	15Ω Jx4
R210	DA-E134275099	RESISTOR	1/10W 75Ω F	RP35	DA-E160310138	NET RESISTOR	15Ω Jx4
R215	DA-E134275099	RESISTOR	1/10W 75Ω F	RP36	DA-E160310138	NET RESISTOR	15Ω Jx4
R220	DA-E134610309	RESISTOR	1/10W 10kΩ J	RP37	DA-E160310138	NET RESISTOR	15Ω Jx4
R223	DA-E134600009	RESISTOR	1/10W 0Ω J	RP38	DA-E160310126	NET RESISTOR	100Ω Jx4
R224	DA-E134600009	RESISTOR	1/10W 0Ω J	RP39	DA-E160310126	NET RESISTOR	100Ω Jx4
R226	DA-E134600009	RESISTOR	1/10W 0Ω J	L001	DA-E062132343	FERRITE BEADS	MLB-451616-0060P-N1P
R228	DA-E134600009	RESISTOR	1/10W 0Ω J	L002	DA-E062132343	FERRITE BEADS	MLB-451616-0060P-N1P
R229	DA-E134624209	RESISTOR	1/10W 2.4kΩ J	L003	DA-E062132317	FERRITE BEADS	MLB-160808-0030A-N2
R230	DA-E134624209	RESISTOR	1/10W 2.4kΩ J	L004	DA-E062132343	FERRITE BEADS	MLB-451616-0060P-N1P
R231	DA-E134624209	RESISTOR	1/10W 2.4kΩ J	L005	DA-E062132343	FERRITE BEADS	MLB-451616-0060P-N1P
R232	DA-E134624209	RESISTOR	1/10W 2.4kΩ J	L006	DA-E062133008	FERRITE BEADS	MLB-201209-0150A-N1
R233	DA-E134600009	RESISTOR	1/10W 0Ω J	L007	DA-E062133008	FERRITE BEADS	MLB-201209-0150A-N1
R234	DA-E134610309	RESISTOR	1/10W 10kΩ J	L008	DA-E062133008	FERRITE BEADS	MLB-201209-0150A-N1
R235	DA-E134600009	RESISTOR	1/10W 0Ω J	L009	DA-E062133008	FERRITE BEADS	MLB-201209-0150A-N1
R236	DA-E134600009	RESISTOR	1/10W 0Ω J	L010	DA-E062133008	FERRITE BEADS	MLB-201209-0150A-N1
R237	DA-E134622109	RESISTOR	1/10W 220Ω J	L011	DA-E062133008	FERRITE BEADS	MLB-201209-0150A-N1
R238	DA-E134668009	RESISTOR	1/10W 68Ω J	L012	DA-E062133008	FERRITE BEADS	MLB-201209-0150A-N1
R240	DA-E134668009	RESISTOR	1/10W 68Ω J	L013	DA-E062133008	FERRITE BEADS	MLB-201209-0150A-N1
R241	DA-E134610209	RESISTOR	1/10W 1kΩ J	L015	DA-E062133008	FERRITE BEADS	MLB-201209-0150A-N1
R256	DA-E134622009	RESISTOR	1/10W 22Ω J	L016	DA-E062132343	FERRITE BEADS	MLB-451616-0060P-N1P
R257	DA-E134656209	RESISTOR	1/10W 5.6kΩ J	L018	DA-E062132317	FERRITE BEADS	MLB-160808-0030A-N2
R258	DA-E134647209	RESISTOR	1/10W 4.7kΩ J	L019	DA-E062133008	FERRITE BEADS	MLB-201209-0150A-N1
R260	DA-E134210009	RESISTOR	1/10W 100Ω F	L021	DA-E062132343	FERRITE BEADS	MLB-451616-0060P-N1P
R261	DA-E134210009	RESISTOR	1/10W 100Ω F	L022	DA-E062132343	FERRITE BEADS	MLB-451616-0060P-N1P
R275	DA-E134610309	RESISTOR	1/10W 10kΩ J	L024	DA-E062143500	COIL	CHK-435 55UH
R282	DA-E134210009	RESISTOR	1/10W 100Ω F	L027	DA-E062133008	FERRITE BEADS	MLB-201209-0150A-N1
R283	DA-E134210009	RESISTOR	1/10W 100Ω F	L029	DA-E062132343	FERRITE BEADS	MLB-451616-0060P-N1P
R286	DA-E134600009	RESISTOR	1/10W 0Ω J	L032	DA-E062133008	FERRITE BEADS	MLB-201209-0150A-N1
R292	DA-E134600009	RESISTOR	1/10W 0Ω J	L034	DA-E062133008	FERRITE BEADS	MLB-201209-0150A-N1
R293	DA-E134610309	RESISTOR	1/10W 10kΩ J	L036	DA-E062133008	FERRITE BEADS	MLB-201209-0150A-N1
R294	DA-E134210009	RESISTOR	1/10W 100Ω F	L038	DA-E062133008	FERRITE BEADS	MLB-201209-0150A-N1
R304	DA-E134600009	RESISTOR	1/10W 0Ω J	L040	DA-E062132343	FERRITE BEADS	MLB-451616-0060P-N1P
R305	DA-E134210009	RESISTOR	1/10W 100Ω F	L042	DA-E062133008	FERRITE BEADS	MLB-201209-0150A-N1
R306	DA-E134600009	RESISTOR	1/10W 0Ω J	L044	DA-E062132317	FERRITE BEADS	MLB-160808-0030A-N2
R308	DA-E134600009	RESISTOR	1/10W 0Ω J	L045	DA-E062132419	FERRITE BEADS	MLI-321611-150
R316	DA-E134600009	RESISTOR	1/10W 0Ω J	L046	DA-E062133008	FERRITE BEADS	MLB-201209-0150A-N1
R318	DA-E134600009	RESISTOR	1/10W 0Ω J	L047	DA-E062133008	FERRITE BEADS	MLB-201209-0150A-N1
R319	DA-E134600009	RESISTOR	1/10W 0Ω J	L048	DA-E062133008	FERRITE BEADS	MLB-201209-0150A-N1
R321	DA-E134600009	RESISTOR	1/10W 0Ω J	L050	DA-E062133008	FERRITE BEADS	MLB-201209-0150A-N1
R323	DA-E134600009	RESISTOR	1/10W 0Ω J	L051	DA-E062133008	FERRITE BEADS	MLB-201209-0150A-N1
R324	DA-E134600009	RESISTOR	1/10W 0Ω J	L052	DA-E062132343	FERRITE BEADS	MLB-451616-0060P-N1P
R325	DA-E134600009	RESISTOR	1/10W 0Ω J	L053	DA-E062132317	FERRITE BEADS	MLB-160808-0030A-N2
R327	DA-E134600009	RESISTOR	1/10W 0Ω J	L054	DA-E062132317	FERRITE BEADS	MLB-160808-0030A-N2
R328	DA-E134600009	RESISTOR	1/10W 0Ω J	L056	DA-E062133008	FERRITE BEADS	MLB-201209-0150A-N1
R331	DA-E134600009	RESISTOR	1/10W 0Ω J	L057	DA-E062133008	FERRITE BEADS	MLB-201209-0150A-N1
R351	DA-E134222009	RESISTOR	1/10W 220Ω F	L060	DA-E062133008	FERRITE BEADS	MLB-201209-0150A-N1
R353	DA-E134210009	RESISTOR	1/10W 100Ω F	L062	DA-E062133008	FERRITE BEADS	MLB-201209-0150A-N1
R354	DA-E134615009	RESISTOR	1/10W 15Ω J	L064	DA-E062133008	FERRITE BEADS	MLB-201209-0150A-N1
R361	DA-E134610209	RESISTOR	1/10W 1kΩ J	L065	DA-E062133008	FERRITE BEADS	MLB-201209-0150A-N1
R362	DA-E134610309	RESISTOR	1/10W 10kΩ J	L066	DA-E062133008	FERRITE BEADS	MLB-201209-0150A-N1
R366	DA-E134610409	RESISTOR	1/10W 100kΩ J	L068	DA-E062133008	FERRITE BEADS	MLB-201209-0150A-N1
R367	DA-E134651009	RESISTOR	1/10W 51Ω J	L069	DA-E062133008	FERRITE BEADS	MLB-201209-0150A-N1
R368	DA-E134651009	RESISTOR	1/10W 51Ω J	L072	DA-E062133008	FERRITE BEADS	MLB-201209-0150A-N1
R382	DA-E134610209	RESISTOR	1/10W 1kΩ J	L076	DA-E062133008	FERRITE BEADS	MLB-201209-0150A-N1
R383	DA-E134600009	RESISTOR	1/10W 0Ω J	L078	DA-E062133008	FERRITE BEADS	MLB-201209-0150A-N1
R398	DA-E134624309	RESISTOR	1/10W 24kΩ J	L080	DA-E062133008	FERRITE BEADS	MLB-201209-0150A-N1
R399	DA-E134246429	RESISTOR	1/10W 46.4kΩ F	L081	DA-E062133008	FERRITE BEADS	MLB-201209-0150A-N1
R400	DA-E134615309	RESISTOR	1/10W 15kΩ J	L082	DA-E062133008	FERRITE BEADS	MLB-201209-0150A-N1
R414	DA-E134610209	RESISTOR	1/10W 1kΩ J				



△Ref No.	Part No.	Part Name	Description Local
L085	DA-E062133008	FERRITE BEADS	MLB-201209-0150A-N1
L086	DA-E062133008	FERRITE BEADS	MLB-201209-0150A-N1
L087	DA-E062132317	FERRITE BEADS	MLB-160808-0030A-N2
L088	DA-E062132317	FERRITE BEADS	MLB-160808-0030A-N2
L089	DA-E062132317	FERRITE BEADS	MLB-160808-0030A-N2
L090	DA-E062132317	FERRITE BEADS	MLB-160808-0030A-N2
L091	DA-E062132317	FERRITE BEADS	MLB-160808-0030A-N2
L094	DA-E062132317	FERRITE BEADS	MLB-160808-0030A-N2
L095	DA-E062132317	FERRITE BEADS	MLB-160808-0030A-N2
L096	DA-E062132317	FERRITE BEADS	MLB-160808-0030A-N2
L097	DA-E062132317	FERRITE BEADS	MLB-160808-0030A-N2
L098	DA-E062133008	FERRITE BEADS	MLB-201209-0150A-N1
L099	DA-E062133008	FERRITE BEADS	MLB-201209-0150A-N1
L100	DA-E062132317	FERRITE BEADS	MLB-160808-0030A-N2
L101	DA-E062132317	FERRITE BEADS	MLB-160808-0030A-N2
L102	DA-E062133008	FERRITE BEADS	MLB-201209-0150A-N1
L104	DA-E062133008	FERRITE BEADS	MLB-201209-0150A-N1
L105	DA-E062132343	FERRITE BEADS	MLB-451616-0060P-N1P

△F001	DA-E054470091	FUSE	125V 7A
P001	DA-E782511015	CONNECTOR	
P002	DA-E782511014	CONNECTOR	
P003	DA-E782522001	CONNECTOR	
P004	DA-E782510014	CONNECTOR	
P006	DA-E782510013	CONNECTOR	
△P007	DA-E782406001	CONNECTOR	DC JACK
P009	DA-E782510011	CONNECTOR	
P012	DA-E782511016	CONNECTOR	
P014	DA-E782510010	CONNECTOR	
P018	DA-E782511014	CONNECTOR	
P019	DA-E782511015	CONNECTOR	
P020	DA-E782522000	CONNECTOR	
P028	DA-E782511016	CONNECTOR	
X001	DA-F699122903	CRYSTAL	10MHZ
X002	DA-F699153630	CRYSTAL	18.432MHZ
X003	DA-F699106034	CRYSTAL	14.318MHZ

## IR SENSOR P.W. BOARD ASS'Y DA-5098801024 (PWB-0915-PART B-02)

△Ref No.	Part No.	Part Name	Description Local
IR01	DA-F642003904	IC	TSOP48
D001	DA-F618018175	LED	POWER
C021	DA-E218007993	CAPACITOR	100uF 16V M
C026	DA-E230021691	CAPACITOR	4.7uF DC 16V Z
R075	DA-E134210009	RESISTOR	100Ω 1/10W F
P005	DA-E782510011	CONNECTOR	

## AV JACK P.W. BOARD ASS'Y DA-098801025 (PWB-0916-PART B-02)

△Ref No.	Part No.	Part Name	Description Local
Z601	DA-F615002361	Z DIODE	MMSZ5231B
Z602	DA-F615002361	Z DIODE	MMSZ5231B
Z603	DA-F615002361	Z DIODE	MMSZ5231B
Z604	DA-F615002361	Z DIODE	MMSZ5231B
Z605	DA-F615002361	Z DIODE	MMSZ5231B
Z606	DA-F615002361	Z DIODE	MMSZ5231B
Z607	DA-F615002361	Z DIODE	MMSZ5231B
Z608	DA-F615002361	Z DIODE	MMSZ5231B
Z609	DA-F615002361	Z DIODE	MMSZ5231B
Z610	DA-F615002361	Z DIODE	MMSZ5231B
Z611	DA-F615002361	Z DIODE	MMSZ5231B
Z612	DA-F615002361	Z DIODE	MMSZ5231B
Z613	DA-F615002361	Z DIODE	MMSZ5231B
Z614	DA-F615002361	Z DIODE	MMSZ5231B
Z615	DA-F615002361	Z DIODE	MMSZ5231B
Z617	DA-F615002361	Z DIODE	MMSZ5231B
Z619	DA-F615002361	Z DIODE	MMSZ5231B
Z621	DA-F615002361	Z DIODE	MMSZ5231B
Z622	DA-F615002361	Z DIODE	MMSZ5231B
Z623	DA-F615002361	Z DIODE	MMSZ5231B
Z624	DA-F615002361	Z DIODE	MMSZ5231B
Z625	DA-F615002361	Z DIODE	MMSZ5231B
C601	DA-E230016791	CAPACITOR	10uF 10V
C602	DA-E230016791	CAPACITOR	10uF 10V
C603	DA-E240633091	CAPACITOR	33pF 50V

△Ref No.	Part No.	Part Name	Description Local
C604	DA-E240633091	CAPACITOR	33pF 50V
C605	DA-E230016791	CAPACITOR	10uF 10V
C606	DA-E230016791	CAPACITOR	10uF 10V
C607	DA-E240633091	CAPACITOR	33pF 50V
C608	DA-E240633091	CAPACITOR	33pF 50V
C609	DA-E230016791	CAPACITOR	10uF 10V
C610	DA-E240633091	CAPACITOR	33pF 50V
C611	DA-E230016791	CAPACITOR	10uF 10V
C612	DA-E230016791	CAPACITOR	10uF 10V
C613	DA-E240633091	CAPACITOR	33pF 50V
C614	DA-E240633091	CAPACITOR	33pF 50V
C617	DA-E240633091	CAPACITOR	33pF 50V
C618	DA-E240633091	CAPACITOR	33pF 50V
C622	DA-E230016791	CAPACITOR	10uF 10V
C624	DA-E240633091	CAPACITOR	33pF 50V
C627	DA-E230016791	CAPACITOR	10uF 10V
C631	DA-E240633091	CAPACITOR	33pF 50V
C634	DA-E230016791	CAPACITOR	10uF 10V
C635	DA-E240633091	CAPACITOR	33pF 50V

R604	DA-E134275099	RESISTOR	75Ω F
R605	DA-E134275099	RESISTOR	75Ω F
R606	DA-E134622209	RESISTOR	2.2kΩ
R607	DA-E134275099	RESISTOR	75Ω F
R612	DA-E134275099	RESISTOR	75Ω F
R613	DA-E134275099	RESISTOR	75Ω F
R617	DA-E134275099	RESISTOR	75Ω F

L601	DA-E062132317	FERRITE BEADS	MLB-160808-0030A-N2
L602	DA-E062132317	FERRITE BEADS	MLB-160808-0030A-N2
L603	DA-E062132317	FERRITE BEADS	MLB-160808-0030A-N2
L604	DA-E062132317	FERRITE BEADS	MLB-160808-0030A-N2
L605	DA-E062132317	FERRITE BEADS	MLB-160808-0030A-N2
L606	DA-E062132317	FERRITE BEADS	MLB-160808-0030A-N2
L607	DA-E062132317	FERRITE BEADS	MLB-160808-0030A-N2
L610	DA-E062132317	FERRITE BEADS	MLB-160808-0030A-N2
L612	DA-E062132317	FERRITE BEADS	MLB-160808-0030A-N2
L617	DA-E062132317	FERRITE BEADS	MLB-160808-0030A-N2
L619	DA-E062132317	FERRITE BEADS	MLB-160808-0030A-N2

P601	DA-E782502000	CONNECTOR	
P602	DA-E782402000	S JACK	VIDEO1 S-IN
P603	DA-E782404005	AV JACK	VIDEO1 V IN
P604	DA-E782404006	AV JACK	VIDEO1 L IN
P605	DA-E782404003	AV JACK	VIDEO1 R IN
P606	DA-E782404007	AV JACK	VIDEO2 COMP-Y IN
P607	DA-E782404009	AV JACK	VIDEO2 COMP-Pb IN
P608	DA-E782404008	AV JACK	VIDEO2 COMP-Pr IN
P609	DA-E782404006	AV JACK	VIDEO2 L IN
P610	DA-E782404003	AV JACK	VIDEO2 R IN

## FRONT CONTROL P.W. BOARD ASS'Y DA-5098801031 (PWB-0916-PART B-02)

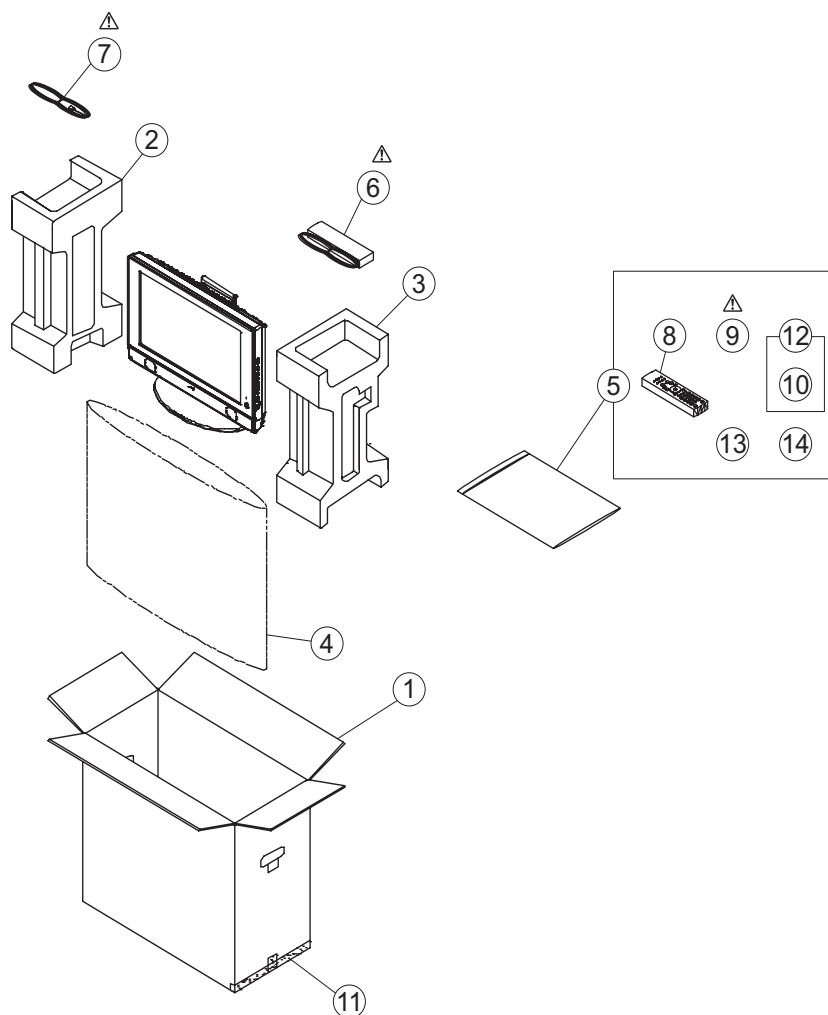
△Ref No.	Part No.	Part Name	Description Local
R602	DA-E142127195	RESISTOR	270Ω 1/6W
R603	DA-E142127195	RESISTOR	270Ω 1/6W
P611	DA-E782510014	CONNECTOR	
P612	DA-E782510012	CONNECTOR	
P613	DA-E782510012	CONNECTOR	
P614	DA-E782405000	3.5 JACK	HEADPHONE
S601	DA-E054513070	TACT SWITCH	CH-
S602	DA-E054513070	TACT SWITCH	CH+
S603	DA-E054513070	TACT SWITCH	VOL-
S604	DA-E054513070	TACT SWITCH	VOL+
S605	DA-E054513070	TACT SWITCH	MENU
S606	DA-E054513070	TACT SWITCH	INPUT
S607	DA-E054513070	TACT SWITCH	POWER

## TUNER P.W. BOARD ASS'Y DA-5098801026 (PWB-0916-PART C-02)

△Ref No.	Part No.	Part Name	Description Local
C615	DA-E218007993	CAPACITOR	100uF 16V
C616	DA-E230622391	CAPACITOR	22nF
C619	DA-E230622391	CAPACITOR	22nF
C620	DA-E218007893	CAPACITOR	10uF 16V
C621	DA-E218007993	CAPACITOR	100uF 16V
R608	DA-E134600009	RESISTOR	0Ω
R609	DA-E134610409	RESISTOR	100kΩ

△Ref No.	Part No.	Part Name	Description	Local
R610	DA-E134600009	RESISTOR		0Ω
R614	DA-E134600009	RESISTOR		0Ω
R615	DA-E134600009	RESISTOR		0Ω
L609	DA-E062132343	FERRITE BEADS	HH-1H4516-600	
P615	DA-E782502001	CONNECTOR		
P616	DA-E782400016	CONNECTOR	PAL JACK	
U601	DA-E052110022	TUNER	TUNER	

## PACKING



## PACKING PARTS LIST

△	Ref.No.	Part No.	Part Name	Description	Local
	1	DA-I513380856	CARTON BOX		LT-17AX5
	1	DA-I513380956	CARTON BOX		LT-17AX5/A,LT-17AX5/S
	2	DA-I523380156	CUSHION(L)		
	3	DA-I523380256	CUSHION(R)		
	4	DA-I533389856	POLY BAG		
	5	DA-I533389756	POLY BAG	For ACCESSORIS	
△	6	DA-E061370349	AC ADAPTER		
△	7	DA-E056706170	POWER CORD		LT-17AX5
△	7	DA-E056706198	POWER CORD		LT-17AX5/A
△	7	DA-E056706169	POWER CORD		LT-17AX5/S
	8	DA-E052731048	REMOCON UNIT	RM-C1860	
△	9	DA-E030057175	INST BOOK		
	10	-----	WARRANTY CARD		LT-17AX5/A
	11	DA-I560125013	OPP TAPE		
	12	-----	POLY BAG	For WARRANTY CARD	LT-17AX5/A
	13	-----	BATTERY	(x2)	
	14	DA-E056513200	PLUG ADAPTER		LT-17AX5

## [LT-23AX5, LT-23AX5/S, LT-23AX5/A]

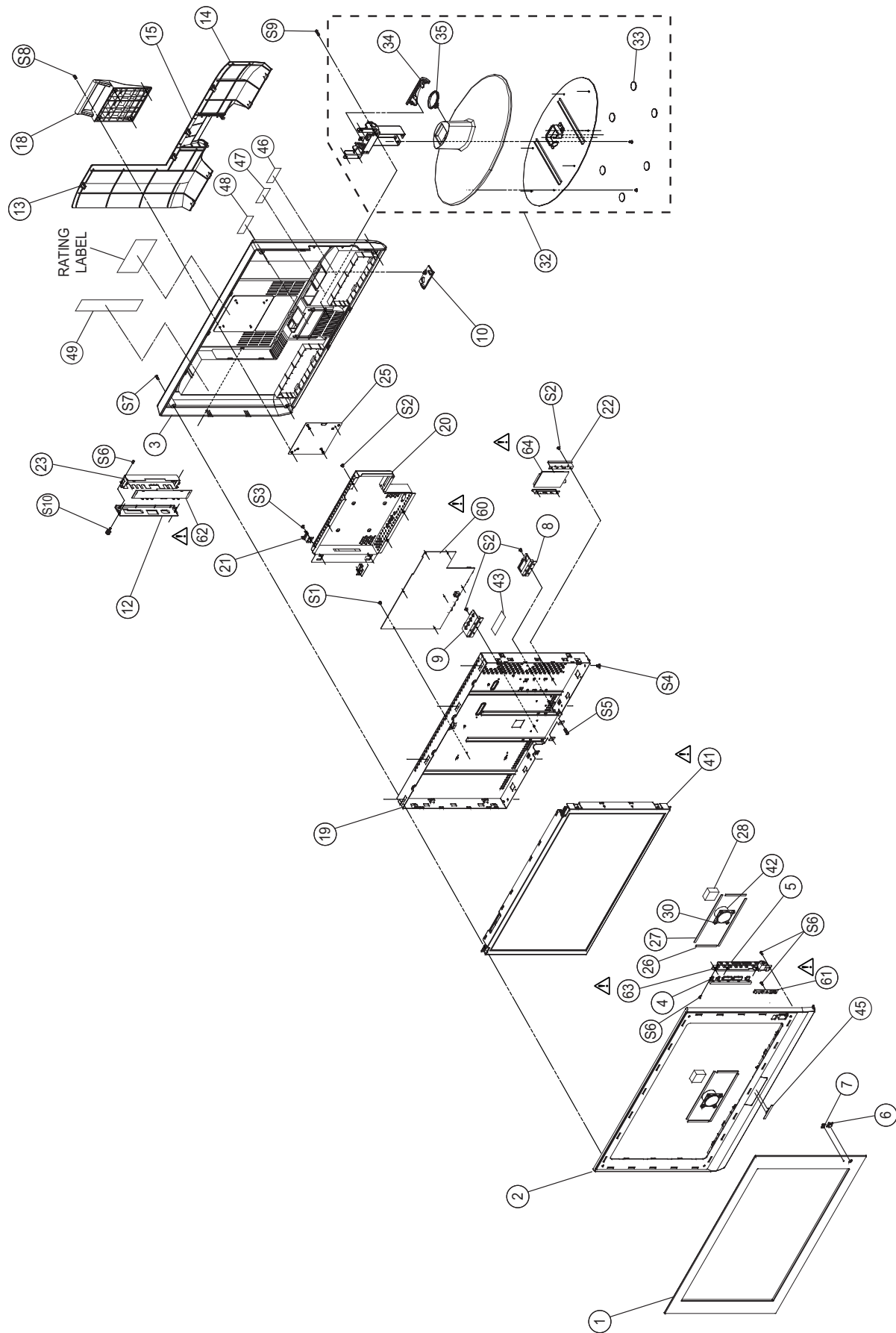
### USING P.W. BOARD & REMOTE CONTROL UNIT

P.W.B ASS'Y	LT-23AX5	LT-23AX5/S	LT-23AX5/A
MAIN P.W.B	DA-5098801036 (PWB-0915-PART A-02)	←	←
IR SENSOR P.W.B	DA-5098801037 (PWB-0915-PART B-02)	←	←
AV JACK P.W.B	DA-5098801038 (PWB-0916-PART A-02)	←	←
FRONT CONTROL P.W.B	DA-5098801039 (PWB-0916-PART B-02)	←	←
TUNER P.W.B	DA-5098801040 (PWB-0916-PART C-02)	←	←
REMOTE CONTROL UNIT	DA-E052731048	←	←

# EXPLODED VIEW PARTS LIST

△ Ref.No.	Part No.	Part Name	Description	Local
1	DA-E641103503	FRONT COVER-MASK		
2	DA-E641103601	FRONT COVER		
3	DA-E642297300	BACK COVER		
4	DA-E642850600	KEY		
5	DA-E642319500	KEY COVER		
6	DA-E640331900	IR LENS		
7	DA-E640331800	LED LENS		
8	DA-E642318810	D-SUB COVER		
9	DA-E642318910	AUDIO COVER		
10	DA-E642318710	TUNER COVER		
12	DA-E642679610	AV JACK PWB COVER		
13	DA-E642319310	CABLE COVER(R)		
14	DA-E642319410	CABLE COVER(L)		
15	DA-E641415112	NECK COVER		
18	DA-E642901116	HANDLE		
19	DA-E642729204	LCD BRACKET		
20	DA-E646255501	MAIN PWB SHIELD		
21	DA-E648742300	MODULE BRACKET	(x2)	
22	DA-E648742200	TUNER BRACKET	(x2)	
23	DA-E646255800	AV JACK PWB SHIELD		
25	DA-E648731701	VISA BRACKET		
26	DA-E642026407	SP SPONGE	(x4)	
27	DA-E642026408	SP SPONGE	(x4)	
28	DA-E642025603	HIGH DENSITY SPONE	(x2)	
30	DA-E642026500	SPEAKER RUBBER	(x8)	
32	DA-5095854612	STAND ASS'Y	Inc.33-35	
33	DA-E642025401	RUBER FOOT	(x6)	
34	DA-E641414901	HINGE COVER		
35	DA-E642679300	CABLE HOLDER		
△ 41	DA-E051253645	LCD MODULE		
42	DA-E055125200	SPEAKER	(x2) SP01,SP02	
43	DA-E642438500	AUDIO DAMMY COVER		
45	DA-E642440600	JVC MARK		
46	DA-E642425400	LABEL(TUNER)		
47	DA-E642429000	LABEL(POWER)		
48	DA-E642439000	LABEL(AUDIO)		
49	DA-E642429400	LABEL(AV)		
△ 60	DA-5098801036	MAIN PWB	(PWB-0915-Part A-02)	
△ 61	DA-5098801037	IR SENSOR PWB	(PWB-0915-Part B-02)	
△ 62	DA-5098801038	AV JACK PWB	(PWB-0916-Part A-02)	
△ 63	DA-5098801039	FRONT CONTROL PWB	(PWB-0916-Part B-02)	
△ 64	DA-5098801040	TUNER PWB	(PWB-0916-Part C-02)	
S1	DA-G000311032	SCREW	PPW M3x06(x7)	
S2	DA-G136160252	SCREW	M4x L114XD10(x2)	
S3	DA-G136160652	SCREW	PRWS M3x04(x10)	
S4	DA-G001171112	SCREW	PRWS M3x06(x2)	
S5	DA-G134251482	SCREW	PP M3x08 LG(x8)	
S6	DA-G134161182	SCREW	PZPM4x10(x6)	
S7	DA-G134251682	SCREW	PZPM3x08(x8)	
S8	DA-G134251456	SCREW	PZPM4x12(x4)	
S9	DA-G190540084	SCREW	PZSM4x10(x4)	
S10	DA-E640228300	SCREW	PP-M4X16+SW(x4)	

EXPLODED VIEW



# PRINTED WIRING BOARD PARTS LIST

MAIN P.W. BOARD ASS'Y  
DA-5098801036 (PWB-0915-PART A-02)

△Ref No.	Part No.	Part Name	Description	Local	△Ref No.	Part No.	Part Name	Description	Local
I001	DA-F640031025	IC	AP1084KA(ADJ)		C012	DA-E218027093	CAPACITOR	16V 100uF M	
I002	DA-F626110018	IC	SI4435BDY		C013	DA-E240610191	CAPACITOR	50V 100pF J	
I003	DA-F640031025	IC	AP1084KA(ADJ)		C014	DA-E240610191	CAPACITOR	50V 100pF J	
I004	DA-F640031014	IC	AP1117E18LA		C015	DA-E240610191	CAPACITOR	50V 100pF J	
I005	DA-F640000355	IC	LM3485		C016	DA-E240610191	CAPACITOR	50V 100pF J	
I006	DA-F626110018	IC	SI4435BDY		C017	DA-E240610191	CAPACITOR	50V 100pF J	
I008	DA-F640004352	IC	BA17812FP-E2		C020	DA-E240610191	CAPACITOR	50V 100pF J	
I009	DA-F640010150	IC	AP1117E33LA		C022	DA-E240610191	CAPACITOR	50V 100pF J	
I010	DA-F626110018	IC	SI4435BDY		C024	DA-E218027093	CAPACITOR	16V 100uF M	
I011	DA-F626020011	IC	2N7002		C025	DA-E230003391	CAPACITOR	25V 0.1uF Z	
I012	DA-F640008353	IC	AP1501(ADJ)		C027	DA-E218027093	CAPACITOR	16V 100uF M	
I013	DA-F647026154	IC(FLASH ROM)	SST39SF040-70-4-NHM		C028	DA-E230003391	CAPACITOR	25V 0.1uF Z	
I015	DA-F647310702	IC	W24257AJ-8N		C029	DA-E218027093	CAPACITOR	16V 100uF M	
I016	DA-F647073054	IC	M30620SPGP		C030	DA-E240610191	CAPACITOR	50V 100pF J	
I017	DA-F647005555	IC(EEPROM)	BR24L02F-W		C031	DA-E230003391	CAPACITOR	25V 0.1uF Z	
I018	DA-F649001852	IC	AD9883KSTZ-110		C032	DA-E230003391	CAPACITOR	25V 0.1uF Z	
I019	DA-F640010150	IC	AP1117E33LA		C034	DA-E230003391	CAPACITOR	25V 0.1uF Z	
I021	DA-F626110018	IC	SI4435BDY		C035	DA-E216029302	CAPACITOR	35V 330uF M	
I023	DA-F647026450	IC	BR24L64F-W		C036	DA-E216027903	CAPACITOR	25V 100uF M	
I024	DA-F640000958	IC	HT7044A-1		C037	DA-E218027093	CAPACITOR	16V 100uF M	
I025	DA-F640010150	IC	AP1117E33LA		C039	DA-E230003391	CAPACITOR	25V 0.1uF Z	
I027	DA-F644051155	IC	TPA1517DWP		C041	DA-E230003391	CAPACITOR	25V 0.1uF Z	
I028	DA-F640010159	IC	AP1117E25LA		C042	DA-E230003391	CAPACITOR	25V 0.1uF Z	
I032	DA-F647014558	IC	K4D263238F		C043	DA-E250810591	CAPACITOR	25V 1uF Z	
I033	DA-F646036751	IC	MSP3450G		C044	DA-E230003391	CAPACITOR	25V 0.1uF Z	
I034	DA-F640000655	IC	BA17809FP		C045	DA-E218027093	CAPACITOR	16V 100uF M	
I035	DA-F626090068	IC	AO6800/AO6800L		C046	DA-E216028903	CAPACITOR	25V 470uF M	
I036	DA-F626090068	IC	AO6800/AO6800L		C047	DA-E218027093	CAPACITOR	16V 100uF M	
I037	DA-F647003352	IC	SVP-EX52-L		C048	DA-E216028903	CAPACITOR	25V 470uF M	
Q001	DA-F622010011	TRANSISTOR	MMBT3904		C052	DA-E230002791	CAPACITOR	16V 0.47uF Z	
Q002	DA-F622010011	TRANSISTOR	MMBT3904		C053	DA-E218027293	CAPACITOR	16V 47uF M	
Q003	DA-F622010011	TRANSISTOR	MMBT3904		C054	DA-E218007993	CAPACITOR	16V 100uF M	
Q004	DA-F622010011	TRANSISTOR	MMBT3904		C056	DA-E230647391	CAPACITOR	50V 47000pF K	
Q005	DA-F622010011	TRANSISTOR	MMBT3904		C057	DA-E230647391	CAPACITOR	50V 47000pF K	
Q006	DA-F623010011	TRANSISTOR	MMBT3906		C058	DA-E230682391	CAPACITOR	50V 82000pF K	
Q007	DA-F623010011	TRANSISTOR	MMBT3906		C059	DA-E240610191	CAPACITOR	50V 100pF J	
Q008	DA-F623010011	TRANSISTOR	MMBT3906		C061	DA-E218008893	CAPACITOR	16V 22uF M	
Q009	DA-F622010011	TRANSISTOR	MMBT3904		C062	DA-E230003391	CAPACITOR	25V 0.1uF Z	
Q010	DA-F623010011	TRANSISTOR	MMBT3906		C064	DA-E240647091	CAPACITOR	50V 47pF J	
Q011	DA-F623010011	TRANSISTOR	MMBT3906		C065	DA-E230003391	CAPACITOR	25V 0.1uF Z	
Q013	DA-F622010011	TRANSISTOR	MMBT3904		C066	DA-E230610291	CAPACITOR	50V 1000pF K	
Q015	DA-F623010011	TRANSISTOR	MMBT3906		C067	DA-E230610291	CAPACITOR	50V 1000pF K	
Q042	DA-F622010011	TRANSISTOR	MMBT3904		C068	DA-E230682291	CAPACITOR	50V 8200pF K	
D005	DA-F611020036	DIODE	SX34		C069	DA-E230003391	CAPACITOR	25V 0.1uF Z	
D008	DA-F613020019	DIODE	LL4148		C070	DA-E230003391	CAPACITOR	25V 0.1uF Z	
D010	DA-F611020036	DIODE	SX34		C071	DA-E230003391	CAPACITOR	25V 0.1uF Z	
D012	DA-F611020021	DIODE	BAT54S		C072	DA-E230003391	CAPACITOR	25V 0.1uF Z	
D013	DA-F611020021	DIODE	BAT54S		C075	DA-E230003391	CAPACITOR	25V 0.1uF Z	
D014	DA-F613020019	DIODE	LL4148		C077	DA-E230647391	CAPACITOR	50V 47000pF K	
D015	DA-F611020011	DIODE	BAT54C		C078	DA-E230003391	CAPACITOR	25V 0.1uF Z	
D018	DA-F613020019	DIODE	LL4148		C082	DA-E230610291	CAPACITOR	50V 1000pF K	
D022	DA-F613020019	DIODE	LL4148		C085	DA-E230647391	CAPACITOR	50V 47000pF K	
D026	DA-F613020019	DIODE	LL4148		C086	DA-E230610291	CAPACITOR	50V 1000pF K	
D028	DA-F613020019	DIODE	LL4148		C089	DA-E230003391	CAPACITOR	25V 0.1uF Z	
ZD01	DA-F615002361	Z DIODE	MMSZ5231B		C090	DA-E230003391	CAPACITOR	25V 0.1uF Z	
ZD02	DA-F615002361	Z DIODE	MMSZ5231B		C092	DA-E230003391	CAPACITOR	25V 0.1uF Z	
ZD03	DA-F615002361	Z DIODE	MMSZ5231B		C094	DA-E230003391	CAPACITOR	25V 0.1uF Z	
ZD04	DA-F615002361	Z DIODE	MMSZ5231B		C095	DA-E230647391	CAPACITOR	50V 47000pF K	
ZD05	DA-F615002361	Z DIODE	MMSZ5231B		C097	DA-E230003391	CAPACITOR	25V 0.1uF Z	
ZD06	DA-F615002361	Z DIODE	MMSZ5231B		C098	DA-E230610291	CAPACITOR	50V 1000pF K	
ZD07	DA-F615002361	Z DIODE	MMSZ5231B		C099	DA-E218007993	CAPACITOR	16V 100uF M	
ZD08	DA-F615002361	Z DIODE	MMSZ5231B		C100	DA-E230610291	CAPACITOR	50V 1000pF K	
ZD09	DA-F615002361	Z DIODE	MMSZ5231B		C101	DA-E230003391	CAPACITOR	25V 0.1uF Z	
ZD10	DA-F615002361	Z DIODE	MMSZ5231B		C102	DA-E230003391	CAPACITOR	25V 0.1uF Z	
ZD11	DA-F615002361	Z DIODE	MMSZ5231B		C103	DA-E230003391	CAPACITOR	25V 0.1uF Z	
ZD12	DA-F615002361	Z DIODE	MMSZ5231B		C104	DA-E230003391	CAPACITOR	25V 0.1uF Z	
ZD13	DA-F615002361	Z DIODE	MMSZ5231B		C105	DA-E240605091	CAPACITOR	50V 5pF	
ZD14	DA-F615002361	Z DIODE	MMSZ5231B		C106	DA-E230003391	CAPACITOR	25V 0.1uF Z	
ZD15	DA-F615010091	Z DIODE	BZT52C3V6		C107	DA-E218008893	CAPACITOR	16V 22uF M	
C001	DA-E230003391	CAPACITOR	25V 0.1uF Z		C110	DA-E218007993	CAPACITOR	16V 100uF M	
C003	DA-E216029302	CAPACITOR	35V 330uF M		C111	DA-E240647091	CAPACITOR	50V 47pF J	
C004	DA-E230003391	CAPACITOR	25V 0.1uF Z		C112	DA-E218008893	CAPACITOR	16V 22uF M	
C005	DA-E218027093	CAPACITOR	16V 100uF M		C113	DA-E230003391	CAPACITOR	25V 0.1uF Z	
C007	DA-E218027093	CAPACITOR	16V 100uF M		C115	DA-E230003391	CAPACITOR	25V 0.1uF Z	
C008	DA-E230003391	CAPACITOR	25V 0.1uF Z		C116	DA-E216028903	CAPACITOR	25V 470uF M	
C009	DA-E218027093	CAPACITOR	16V 100uF M		C119	DA-E240647091	CAPACITOR	50V 47pF J	
C010	DA-E230003391	CAPACITOR	25V 0.1uF Z		C120	DA-E230003391	CAPACITOR	25V 0.1uF Z	
C011	DA-E230003391	CAPACITOR	25V 0.1uF Z		C121	DA-E230019191	CAPACITOR	16V 0.15uF Z	
					C122	DA-E218007993	CAPACITOR	16V 100uF M	
					C123	DA-E240647091	CAPACITOR	50V 47pF J	
					C124	DA-E230003391	CAPACITOR	25V 0.1uF Z	
					C126	DA-E216028903	CAPACITOR	25V 470uF M	
					C127	DA-E230014191	CAPACITOR	16V 2.2uF M	
					C128	DA-E230014191	CAPACITOR	16V 2.2uF M	

△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
C129	DA-E240647091	CAPACITOR	50V 47pF J	C284	DA-E230003391	CAPACITOR	25V 0.1uF Z
C130	DA-E230014191	CAPACITOR	16V 2.2uF M	C285	DA-E240668091	CAPACITOR	50V 68pF J
C133	DA-E218008893	CAPACITOR	16V 22uF M	C286	DA-E240622091	CAPACITOR	50V 22pF J
C136	DA-E218007893	CAPACITOR	16V 10uF M	C288	DA-E218007993	CAPACITOR	16V 100uF M
C137	DA-E218007893	CAPACITOR	16V 10uF M	C289	DA-E230003391	CAPACITOR	25V 0.1uF Z
C138	DA-E230003391	CAPACITOR	25V 0.1uF Z	C294	DA-E230610391	CAPACITOR	50V 10000pF K
C140	DA-E240615091	CAPACITOR	50V 15pF J	C296	DA-E240622091	CAPACITOR	50V 22pF J
C141	DA-E240615091	CAPACITOR	50V 15pF J	C297	DA-E230003391	CAPACITOR	25V 0.1uF Z
C142	DA-E230610291	CAPACITOR	50V 1000pF K	C299	DA-E230003391	CAPACITOR	25V 0.1uF Z
C143	DA-E218007893	CAPACITOR	16V 10uF M	C301	DA-E230003391	CAPACITOR	25V 0.1uF Z
C145	DA-E230003391	CAPACITOR	25V 0.1uF Z	C303	DA-E230003391	CAPACITOR	25V 0.1uF Z
C147	DA-E230019191	CAPACITOR	16V 0.15uF Z	C304	DA-E230003391	CAPACITOR	25V 0.1uF Z
C149	DA-E216028903	CAPACITOR	25V 470uF M	C305	DA-E230003391	CAPACITOR	25V 0.1uF Z
C150	DA-E230003391	CAPACITOR	25V 0.1uF Z	C307	DA-E230003391	CAPACITOR	25V 0.1uF Z
C151	DA-E230003391	CAPACITOR	25V 0.1uF Z	C308	DA-E218008893	CAPACITOR	16V 22uF M
C152	DA-E230003391	CAPACITOR	25V 0.1uF Z	C309	DA-E230003391	CAPACITOR	25V 0.1uF Z
C162	DA-E218007993	CAPACITOR	16V 100uF M	C311	DA-E230003391	CAPACITOR	25V 0.1uF Z
C163	DA-E218007993	CAPACITOR	16V 100uF M	C312	DA-E230003391	CAPACITOR	25V 0.1uF Z
C169	DA-E218006393	CAPACITOR	16V 220uF M	C313	DA-E230003391	CAPACITOR	25V 0.1uF Z
C171	DA-E218007893	CAPACITOR	16V 10uF M	C314	DA-E230003391	CAPACITOR	25V 0.1uF Z
C175	DA-E230003391	CAPACITOR	25V 0.1uF Z	C318	DA-E230003391	CAPACITOR	25V 0.1uF Z
C180	DA-E230003391	CAPACITOR	25V 0.1uF Z	C319	DA-E230003391	CAPACITOR	25V 0.1uF Z
C183	DA-E240610191	CAPACITOR	50V 100pF J	C320	DA-E218008893	CAPACITOR	16V 22uF M
C184	DA-E218007893	CAPACITOR	16V 10uF M	C325	DA-E230003391	CAPACITOR	25V 0.1uF Z
C187	DA-E216027903	CAPACITOR	25V 100uF M	C326	DA-E230003391	CAPACITOR	25V 0.1uF Z
C188	DA-E230610291	CAPACITOR	50V 1000pF K	C327	DA-E230003391	CAPACITOR	25V 0.1uF Z
C190	DA-E240647191	CAPACITOR	50V 470pF J	C328	DA-E230003391	CAPACITOR	25V 0.1uF Z
C193	DA-E250810591	CAPACITOR	25V 1uF Z	C330	DA-E230003391	CAPACITOR	25V 0.1uF Z
C195	DA-E230610291	CAPACITOR	50V 1000pF K	C331	DA-E230003391	CAPACITOR	25V 0.1uF Z
C196	DA-E240633991	CAPACITOR	50V 3.3pF	C333	DA-E230003391	CAPACITOR	25V 0.1uF Z
C197	DA-E230610291	CAPACITOR	50V 1000pF K	C339	DA-E230003391	CAPACITOR	25V 0.1uF Z
C198	DA-E250810591	CAPACITOR	25V 1uF Z	C341	DA-E218008893	CAPACITOR	16V 22uF M
C200	DA-E218008893	CAPACITOR	16V 22uF M	C343	DA-E218008893	CAPACITOR	16V 22uF M
C201	DA-E240633991	CAPACITOR	50V 3.3pF	C345	DA-E230003391	CAPACITOR	25V 0.1uF Z
C202	DA-E218007893	CAPACITOR	16V 10uF M	C346	DA-E240627291	CAPACITOR	50V 2700pF J
C203	DA-E240656091	CAPACITOR	50V 56pF J	C353	DA-E230003391	CAPACITOR	25V 0.1uF Z
C204	DA-E218007893	CAPACITOR	16V 10uF M	C354	DA-E218008893	CAPACITOR	16V 22uF M
C205	DA-E230003391	CAPACITOR	25V 0.1uF Z	C356	DA-E218008893	CAPACITOR	16V 22uF M
C206	DA-E230003391	CAPACITOR	25V 0.1uF Z	C357	DA-E230003391	CAPACITOR	25V 0.1uF Z
C207	DA-E230003391	CAPACITOR	25V 0.1uF Z	C364	DA-E240627291	CAPACITOR	50V 2700pF J
C209	DA-E230003391	CAPACITOR	25V 0.1uF Z	C377	DA-E218008893	CAPACITOR	16V 22uF M
C210	DA-E230003391	CAPACITOR	25V 0.1uF Z	C378	DA-E230003391	CAPACITOR	25V 0.1uF Z
C211	DA-E230003391	CAPACITOR	25V 0.1uF Z	C380	DA-E230003391	CAPACITOR	25V 0.1uF Z
C212	DA-E230003391	CAPACITOR	25V 0.1uF Z	C381	DA-E218008893	CAPACITOR	16V 22uF M
C213	DA-E240656091	CAPACITOR	50V 56pF J	C396	DA-E218008893	CAPACITOR	16V 22uF M
C214	DA-E230003391	CAPACITOR	25V 0.1uF Z	C397	DA-E230003391	CAPACITOR	25V 0.1uF Z
C215	DA-E230003391	CAPACITOR	25V 0.1uF Z	C428	DA-E230003391	CAPACITOR	25V 0.1uF Z
C216	DA-E230003391	CAPACITOR	25V 0.1uF Z	C429	DA-E230003391	CAPACITOR	25V 0.1uF Z
C217	DA-E230003391	CAPACITOR	25V 0.1uF Z	C430	DA-E216028903	CAPACITOR	25V 470uF M
C218	DA-E230610291	CAPACITOR	50V 1000pF K	C434	DA-E230610291	CAPACITOR	50V 1000pF K
C219	DA-E230003391	CAPACITOR	25V 0.1uF Z	C435	DA-E216029302	CAPACITOR	35V 330uF M
C220	DA-E230610291	CAPACITOR	50V 1000pF K	C436	DA-E240622191	CAPACITOR	50V 220pF J
C221	DA-E218007893	CAPACITOR	16V 10uF M	C437	DA-E240622191	CAPACITOR	50V 220pF J
C222	DA-E250810591	CAPACITOR	25V 1uF Z	C439	DA-E218027093	CAPACITOR	16V 100uF M
C223	DA-E230003391	CAPACITOR	25V 0.1uF Z	C441	DA-E218007993	CAPACITOR	16V 100uF M
C224	DA-E230003391	CAPACITOR	25V 0.1uF Z	C443	DA-E218007893	CAPACITOR	16V 10uF M
C225	DA-E230003391	CAPACITOR	25V 0.1uF Z	C444	DA-E230003391	CAPACITOR	25V 0.1uF Z
C226	DA-E218007893	CAPACITOR	16V 10uF M	C445	DA-E218007993	CAPACITOR	16V 100uF M
C227	DA-E230003391	CAPACITOR	25V 0.1uF Z	C446	DA-E230647291	CAPACITOR	50V 4700pF K
C231	DA-E230003391	CAPACITOR	25V 0.1uF Z	C447	DA-E230610391	CAPACITOR	50V 10000pF K
C233	DA-E250810591	CAPACITOR	25V 1uF Z	C448	DA-E230610391	CAPACITOR	50V 10000pF K
C238	DA-E230003391	CAPACITOR	25V 0.1uF Z	C449	DA-E230610391	CAPACITOR	50V 10000pF K
C239	DA-E218027493	CAPACITOR	50V 4.70uF M	C450	DA-E230003391	CAPACITOR	25V 0.1uF Z
C240	DA-E218006393	CAPACITOR	16V 220uF M	C451	DA-E230610391	CAPACITOR	50V 10000pF K
C241	DA-E230003391	CAPACITOR	25V 0.1uF Z	C452	DA-E230003391	CAPACITOR	25V 0.1uF Z
C242	DA-E218007893	CAPACITOR	16V 10uF M	C453	DA-E218007893	CAPACITOR	16V 10uF M
C243	DA-E218008893	CAPACITOR	16V 22uF M	C454	DA-E218007993	CAPACITOR	16V 100uF M
C244	DA-E230003391	CAPACITOR	25V 0.1uF Z	C455	DA-E230610391	CAPACITOR	50V 10000pF K
C245	DA-E230003391	CAPACITOR	25V 0.1uF Z	C456	DA-E230003391	CAPACITOR	25V 0.1uF Z
C249	DA-E230003391	CAPACITOR	25V 0.1uF Z	C457	DA-E230003391	CAPACITOR	25V 0.1uF Z
C250	DA-E230003391	CAPACITOR	25V 0.1uF Z	C458	DA-E230647291	CAPACITOR	50V 4700pF K
C252	DA-E230003391	CAPACITOR	25V 0.1uF Z	C459	DA-E230610391	CAPACITOR	50V 10000pF K
C254	DA-E230003391	CAPACITOR	25V 0.1uF Z	C460	DA-E230610391	CAPACITOR	50V 10000pF K
C255	DA-E230003391	CAPACITOR	25V 0.1uF Z	C461	DA-E230003391	CAPACITOR	25V 0.1uF Z
C257	DA-E230003391	CAPACITOR	25V 0.1uF Z				
C258	DA-E230003391	CAPACITOR	25V 0.1uF Z	C228	DA-E134600009	RESISTOR	1/10W 0Ω J
C259	DA-E230003391	CAPACITOR	25V 0.1uF Z	C229	DA-E134600009	RESISTOR	1/10W 0Ω J
C262	DA-E230003391	CAPACITOR	25V 0.1uF Z	C234	DA-E134600009	RESISTOR	1/10W 0Ω J
C263	DA-E216027903	CAPACITOR	25V 100uF M	C235	DA-E134600009	RESISTOR	1/10W 0Ω J
C265	DA-E230003391	CAPACITOR	25V 0.1uF Z	C236	DA-E134600009	RESISTOR	1/10W 0Ω J
C269	DA-E230003391	CAPACITOR	25V 0.1uF Z	C237	DA-E134600009	RESISTOR	1/10W 0Ω J
C271	DA-E230003391	CAPACITOR	25V 0.1uF Z	C246	DA-E134600009	RESISTOR	1/10W 0Ω J
C274	DA-E230003391	CAPACITOR	25V 0.1uF Z	C247	DA-E134600009	RESISTOR	1/10W 0Ω J
C276	DA-E240668091	CAPACITOR	50V 68pF J	C248	DA-E134600009	RESISTOR	1/10W 0Ω J
C277	DA-E230003391	CAPACITOR	25V 0.1uF Z	C251	DA-E134600009	RESISTOR	1/10W 0Ω J
C278	DA-E230003391	CAPACITOR	25V 0.1uF Z	R001	DA-E134600009	RESISTOR	1/10W 0Ω J
C279	DA-E230003391	CAPACITOR	25V 0.1uF Z	R002	DA-E134600009	RESISTOR	1/10W 0Ω J

△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
R003	DA-E134600009	RESISTOR	1/10W 0Ω J	R112	DA-E134600009	RESISTOR	1/10W 0Ω J
R004	DA-E134600009	RESISTOR	1/10W 0Ω J	R113	DA-E134600009	RESISTOR	1/10W 0Ω J
R005	DA-E134639109	RESISTOR	1/10W 390Ω J	R114	DA-E134610309	RESISTOR	1/10W 10kΩ J
R006	DA-E134624109	RESISTOR	1/10W 240Ω J	R115	DA-E134610309	RESISTOR	1/10W 10kΩ J
R007	DA-E134610309	RESISTOR	1/10W 10kΩ J	R116	DA-E134610309	RESISTOR	1/10W 10kΩ J
R008	DA-E134610409	RESISTOR	1/10W 100kΩ J	R120	DA-E134275099	RESISTOR	1/10W 75Ω F
R009	DA-E134647209	RESISTOR	1/10W 4.7kΩ J	R121	DA-E134275099	RESISTOR	1/10W 75Ω F
R010	DA-E134610309	RESISTOR	1/10W 10kΩ J	R124	DA-E134610309	RESISTOR	1/10W 10kΩ J
R011	DA-E134610409	RESISTOR	1/10W 100kΩ J	R128	DA-E134610409	RESISTOR	1/10W 100kΩ J
R012	DA-E134647209	RESISTOR	1/10W 4.7kΩ J	R138	DA-E134682209	RESISTOR	1/10W 8.2kΩ J
R014	DA-E134610309	RESISTOR	1/10W 10kΩ J	R139	DA-E134610409	RESISTOR	1/10W 100kΩ J
R015	DA-E134647209	RESISTOR	1/10W 4.7kΩ J	R148	DA-E134622909	RESISTOR	1/10W 2.2Ω J
R016	DA-E134610309	RESISTOR	1/10W 10kΩ J	R151	DA-E134600009	RESISTOR	1/10W 0Ω J
R017	DA-E134647209	RESISTOR	1/10W 4.7kΩ J	R154	DA-E134624209	RESISTOR	1/10W 2.4kΩ J
R018	DA-E134615209	RESISTOR	1/10W 1.5kΩ J	R157	DA-E134624209	RESISTOR	1/10W 2.4kΩ J
R019	DA-E134610209	RESISTOR	1/10W 1kΩ J	R164	DA-E134622909	RESISTOR	1/10W 2.2Ω J
R020	DA-E134647209	RESISTOR	1/10W 4.7kΩ J	R166	DA-E134600009	RESISTOR	1/10W 0Ω J
R021	DA-E134278709	RESISTOR	1/10W 787Ω F	R178	DA-E134647209	RESISTOR	1/10W 4.7kΩ J
R022	DA-E134633309	RESISTOR	1/10W 33kΩ J	R186	DA-E134647309	RESISTOR	1/10W 47kΩ J
R024	DA-E134600009	RESISTOR	1/10W 0Ω J	R188	DA-E134647209	RESISTOR	1/10W 4.7kΩ J
R026	DA-E134600009	RESISTOR	1/10W 0Ω J	R189	DA-E134612209	RESISTOR	1/10W 1.2kΩ J
R027	DA-E134691209	RESISTOR	1/10W 9.1kΩ J	R190	DA-E134622109	RESISTOR	1/10W 220Ω J
R028	DA-E134600009	RESISTOR	1/10W 0Ω J	R196	DA-E134600009	RESISTOR	1/10W 0Ω J
R029	DA-E134600009	RESISTOR	1/10W 0Ω J	R204	DA-E134600009	RESISTOR	1/10W 0Ω J
R030	DA-E134633009	RESISTOR	1/10W 33Ω J	R206	DA-E134610309	RESISTOR	1/10W 10kΩ J
R031	DA-E134600009	RESISTOR	1/10W 0Ω J	R210	DA-E134275099	RESISTOR	1/10W 75Ω F
R032	DA-E134633009	RESISTOR	1/10W 33Ω J	R215	DA-E134275099	RESISTOR	1/10W 75Ω F
R034	DA-E134610509	RESISTOR	1/10W 1MΩ J	R220	DA-E134610309	RESISTOR	1/10W 10kΩ J
R035	DA-E134633009	RESISTOR	1/10W 33Ω J	R223	DA-E134600009	RESISTOR	1/10W 0Ω J
R036	DA-E134615009	RESISTOR	1/10W 15Ω J	R224	DA-E134600009	RESISTOR	1/10W 0Ω J
R038	DA-E134600009	RESISTOR	1/10W 0Ω J	R226	DA-E134600009	RESISTOR	1/10W 0Ω J
R039	DA-E134600009	RESISTOR	1/10W 0Ω J	R228	DA-E134600009	RESISTOR	1/10W 0Ω J
R041	DA-E134647209	RESISTOR	1/10W 4.7kΩ J	R229	DA-E134624209	RESISTOR	1/10W 2.4kΩ J
R042	DA-E134600009	RESISTOR	1/10W 0Ω J	R230	DA-E134624209	RESISTOR	1/10W 2.4kΩ J
R043	DA-E134647209	RESISTOR	1/10W 4.7kΩ J	R231	DA-E134624209	RESISTOR	1/10W 2.4kΩ J
R044	DA-E134600009	RESISTOR	1/10W 0Ω J	R232	DA-E134624209	RESISTOR	1/10W 2.4kΩ J
R045	DA-E134647209	RESISTOR	1/10W 4.7kΩ J	R233	DA-E134600009	RESISTOR	1/10W 0Ω J
R046	DA-E134633009	RESISTOR	1/10W 33Ω J	R234	DA-E134610309	RESISTOR	1/10W 10kΩ J
R048	DA-E134610309	RESISTOR	1/10W 10kΩ J	R235	DA-E134600009	RESISTOR	1/10W 0Ω J
R049	DA-E134622209	RESISTOR	1/10W 2.2kΩ J	R236	DA-E134600009	RESISTOR	1/10W 0Ω J
R050	DA-E134647009	RESISTOR	1/10W 47Ω J	R237	DA-E134622109	RESISTOR	1/10W 220Ω J
R051	DA-E134647209	RESISTOR	1/10W 4.7kΩ J	R238	DA-E134668009	RESISTOR	1/10W 68Ω J
R052	DA-E134647209	RESISTOR	1/10W 4.7kΩ J	R240	DA-E134668009	RESISTOR	1/10W 68Ω J
R054	DA-E134610209	RESISTOR	1/10W 1kΩ J	R241	DA-E134610209	RESISTOR	1/10W 1kΩ J
R055	DA-E134630109	RESISTOR	1/10W 300Ω J	R256	DA-E134622009	RESISTOR	1/10W 22Ω J
R056	DA-E134630109	RESISTOR	1/10W 300Ω J	R257	DA-E134656209	RESISTOR	1/10W 5.6kΩ J
R057	DA-E134627209	RESISTOR	1/10W 2.7kΩ J	R258	DA-E134647209	RESISTOR	1/10W 4.7kΩ J
R058	DA-E134600009	RESISTOR	1/10W 0Ω J	R260	DA-E134210009	RESISTOR	1/10W 100Ω F
R059	DA-E134647009	RESISTOR	1/10W 47Ω J	R261	DA-E134210009	RESISTOR	1/10W 100Ω F
R060	DA-E134622209	RESISTOR	1/10W 2.2kΩ J	R268	DA-E134600009	RESISTOR	1/10W 0Ω J
R061	DA-E134210009	RESISTOR	1/10W 100Ω F	R275	DA-E134610309	RESISTOR	1/10W 10kΩ J
R062	DA-E134210009	RESISTOR	1/10W 100Ω F	R282	DA-E134210009	RESISTOR	1/10W 100Ω F
R063	DA-E134600009	RESISTOR	1/10W 0Ω J	R283	DA-E134210009	RESISTOR	1/10W 100Ω F
R064	DA-E134600009	RESISTOR	1/10W 0Ω J	R286	DA-E134600009	RESISTOR	1/10W 0Ω J
R065	DA-E134647209	RESISTOR	1/10W 4.7kΩ J	R292	DA-E134600009	RESISTOR	1/10W 0Ω J
R066	DA-E134647209	RESISTOR	1/10W 4.7kΩ J	R293	DA-E134610309	RESISTOR	1/10W 10kΩ J
R067	DA-E134600009	RESISTOR	1/10W 0Ω J	R294	DA-E134210009	RESISTOR	1/10W 100Ω F
R068	DA-E134600009	RESISTOR	1/10W 0Ω J	R304	DA-E134600009	RESISTOR	1/10W 0Ω J
R069	DA-E134610309	RESISTOR	1/10W 10kΩ J	R305	DA-E134210009	RESISTOR	1/10W 100Ω F
R071	DA-E134210009	RESISTOR	1/10W 100Ω F	R306	DA-E134600009	RESISTOR	1/10W 0Ω J
R072	DA-E134275099	RESISTOR	1/10W 75Ω F	R308	DA-E134600009	RESISTOR	1/10W 0Ω J
R073	DA-E134600009	RESISTOR	1/10W 0Ω J	R316	DA-E134600009	RESISTOR	1/10W 0Ω J
R074	DA-E134600009	RESISTOR	1/10W 0Ω J	R318	DA-E134600009	RESISTOR	1/10W 0Ω J
R076	DA-E134275099	RESISTOR	1/10W 75Ω F	R319	DA-E134600009	RESISTOR	1/10W 0Ω J
R077	DA-E134647209	RESISTOR	1/10W 4.7kΩ J	R321	DA-E134600009	RESISTOR	1/10W 0Ω J
R078	DA-E134210009	RESISTOR	1/10W 100Ω F	R323	DA-E134600009	RESISTOR	1/10W 0Ω J
R079	DA-E134275099	RESISTOR	1/10W 75Ω F	R324	DA-E134600009	RESISTOR	1/10W 0Ω J
R081	DA-E134622009	RESISTOR	1/10W 22Ω J	R325	DA-E134600009	RESISTOR	1/10W 0Ω J
R082	DA-E134622009	RESISTOR	1/10W 22Ω J	R327	DA-E134600009	RESISTOR	1/10W 0Ω J
R085	DA-E134600009	RESISTOR	1/10W 0Ω J	R328	DA-E134600009	RESISTOR	1/10W 0Ω J
R087	DA-E134600009	RESISTOR	1/10W 0Ω J	R331	DA-E134600009	RESISTOR	1/10W 0Ω J
R088	DA-E134275099	RESISTOR	1/10W 75Ω F	R332	DA-E134600009	RESISTOR	1/10W 0Ω J
R089	DA-E134600009	RESISTOR	1/10W 0Ω J	R340	DA-E134600009	RESISTOR	1/10W 0Ω J
R090	DA-E134647209	RESISTOR	1/10W 4.7kΩ J	R341	DA-E134600009	RESISTOR	1/10W 0Ω J
R092	DA-E134647209	RESISTOR	1/10W 4.7kΩ J	R343	DA-E134600009	RESISTOR	1/10W 0Ω J
R096	DA-E134210009	RESISTOR	1/10W 100Ω F	R350	DA-E134600009	RESISTOR	1/10W 0Ω J
R097	DA-E134275099	RESISTOR	1/10W 75Ω F	R351	DA-E134222009	RESISTOR	1/10W 220Ω F
R099	DA-E134610309	RESISTOR	1/10W 10kΩ J	R353	DA-E134210009	RESISTOR	1/10W 100Ω F
R100	DA-E134647209	RESISTOR	1/10W 4.7kΩ J	R354	DA-E134615009	RESISTOR	1/10W 15Ω J
R102	DA-E134210009	RESISTOR	1/10W 100Ω F	R360	DA-E134600009	RESISTOR	1/10W 0Ω J
R104	DA-E134210009	RESISTOR	1/10W 100Ω F	R361	DA-E134610209	RESISTOR	1/10W 1kΩ J
R105	DA-E134610309	RESISTOR	1/10W 10kΩ J	R362	DA-E134610309	RESISTOR	1/10W 10kΩ J
R106	DA-E134275099	RESISTOR	1/10W 75Ω F	R363	DA-E134600009	RESISTOR	1/10W 0Ω J
R107	DA-E134275099	RESISTOR	1/10W 75Ω F	R366	DA-E134610409	RESISTOR	1/10W 100kΩ J
R108	DA-E134647209	RESISTOR	1/10W 4.7kΩ J	R367	DA-E134651009	RESISTOR	1/10W 51Ω J
R109	DA-E134612209	RESISTOR	1/10W 1.2kΩ J	R368	DA-E134651009	RESISTOR	1/10W 51Ω J
R110	DA-E134610309	RESISTOR	1/10W 10kΩ J	R379	DA-E134600009	RESISTOR	1/10W 0Ω J



△Ref No.	Part No.	Part Name	Description	Local	△Ref No.	Part No.	Part Name	Description	Local
R380	DA-E134600009	RESISTOR	1/10W 0Ω J		L042	DA-E062133008	FERRITE BEADS	MLB-201209-0150A-N1	
R382	DA-E134610209	RESISTOR	1/10W 1kΩ J		L044	DA-E062132317	FERRITE BEADS	MLB-160808-0030A-N2	
R383	DA-E134600009	RESISTOR	1/10W 0Ω J		L045	DA-E062132419	FERRITE BEADS	MLI-321611-150	
R386	DA-E134600009	RESISTOR	1/10W 0Ω J		L046	DA-E062133008	FERRITE BEADS	MLB-201209-0150A-N1	
R387	DA-E134600009	RESISTOR	1/10W 0Ω J		L047	DA-E062133008	FERRITE BEADS	MLB-201209-0150A-N1	
R388	DA-E134600009	RESISTOR	1/10W 0Ω J		L048	DA-E062133008	FERRITE BEADS	MLB-201209-0150A-N1	
R389	DA-E134600009	RESISTOR	1/10W 0Ω J		L050	DA-E062133008	FERRITE BEADS	MLB-201209-0150A-N1	
R390	DA-E134600009	RESISTOR	1/10W 0Ω J		L051	DA-E062133008	FERRITE BEADS	MLB-201209-0150A-N1	
R391	DA-E134600009	RESISTOR	1/10W 0Ω J		L052	DA-E062132343	FERRITE BEADS	MLB-451616-0060P-N1P	
R392	DA-E134600009	RESISTOR	1/10W 0Ω J		L053	DA-E062132317	FERRITE BEADS	MLB-160808-0030A-N2	
R393	DA-E134600009	RESISTOR	1/10W 0Ω J		L054	DA-E062132317	FERRITE BEADS	MLB-160808-0030A-N2	
R394	DA-E134600009	RESISTOR	1/10W 0Ω J		L056	DA-E062133008	FERRITE BEADS	MLB-201209-0150A-N1	
R395	DA-E134600009	RESISTOR	1/10W 0Ω J		L057	DA-E062133008	FERRITE BEADS	MLB-201209-0150A-N1	
R396	DA-E134600009	RESISTOR	1/10W 0Ω J		L060	DA-E062133008	FERRITE BEADS	MLB-201209-0150A-N1	
R398	DA-E134624309	RESISTOR	1/10W 24kΩ J		L062	DA-E062133008	FERRITE BEADS	MLB-201209-0150A-N1	
R399	DA-E134246429	RESISTOR	1/10W 46.4kΩ F		L064	DA-E062133008	FERRITE BEADS	MLB-201209-0150A-N1	
R400	DA-E134615309	RESISTOR	1/10W 15kΩ J		L065	DA-E062133008	FERRITE BEADS	MLB-201209-0150A-N1	
R403	DA-E134600009	RESISTOR	1/10W 0Ω J		L066	DA-E062133008	FERRITE BEADS	MLB-201209-0150A-N1	
R404	DA-E134600009	RESISTOR	1/10W 0Ω J		L068	DA-E062133008	FERRITE BEADS	MLB-201209-0150A-N1	
R409	DA-E134600009	RESISTOR	1/10W 0Ω J		L069	DA-E062133008	FERRITE BEADS	MLB-201209-0150A-N1	
R411	DA-E134600009	RESISTOR	1/10W 0Ω J		L072	DA-E062133008	FERRITE BEADS	MLB-201209-0150A-N1	
R412	DA-E134600009	RESISTOR	1/10W 0Ω J		L076	DA-E062133008	FERRITE BEADS	MLB-201209-0150A-N1	
R414	DA-E134610209	RESISTOR	1/10W 1kΩ J		L078	DA-E062133008	FERRITE BEADS	MLB-201209-0150A-N1	
R416	DA-E134610209	RESISTOR	1/10W 1kΩ J		L080	DA-E062133008	FERRITE BEADS	MLB-201209-0150A-N1	
R417	DA-E134610209	RESISTOR	1/10W 1kΩ J		L081	DA-E062133008	FERRITE BEADS	MLB-201209-0150A-N1	
R418	DA-E134610209	RESISTOR	1/10W 1kΩ J		L082	DA-E062133008	FERRITE BEADS	MLB-201209-0150A-N1	
R419	DA-E134610209	RESISTOR	1/10W 1kΩ J		L085	DA-E062133008	FERRITE BEADS	MLB-201209-0150A-N1	
R420	DA-E134610209	RESISTOR	1/10W 1kΩ J		L086	DA-E062133008	FERRITE BEADS	MLB-201209-0150A-N1	
R421	DA-E134610209	RESISTOR	1/10W 1kΩ J		L087	DA-E062132317	FERRITE BEADS	MLB-160808-0030A-N2	
R422	DA-E134610209	RESISTOR	1/10W 1kΩ J		L088	DA-E062132317	FERRITE BEADS	MLB-160808-0030A-N2	
RP01	DA-E160310101	NET RESISTOR	33Ω J x4		L089	DA-E062132317	FERRITE BEADS	MLB-160808-0030A-N2	
RP03	DA-E160310138	NET RESISTOR	15Ω J x4		L090	DA-E062132317	FERRITE BEADS	MLB-160808-0030A-N2	
RP04	DA-E160310101	NET RESISTOR	33Ω J x4		L091	DA-E062132317	FERRITE BEADS	MLB-160808-0030A-N2	
RP06	DA-E160310138	NET RESISTOR	15Ω J x4		L094	DA-E062132317	FERRITE BEADS	MLB-160808-0030A-N2	
RP07	DA-E160310138	NET RESISTOR	15Ω J x4		L095	DA-E062132317	FERRITE BEADS	MLB-160808-0030A-N2	
RP08	DA-E160310138	NET RESISTOR	15Ω J x4		L096	DA-E062132317	FERRITE BEADS	MLB-160808-0030A-N2	
RP09	DA-E160310138	NET RESISTOR	15Ω J x4		L097	DA-E062132317	FERRITE BEADS	MLB-160808-0030A-N2	
RP10	DA-E160310138	NET RESISTOR	15Ω J x4		L098	DA-E062133008	FERRITE BEADS	MLB-201209-0150A-N1	
RP11	DA-E160310101	NET RESISTOR	33Ω J x4		L099	DA-E062133008	FERRITE BEADS	MLB-201209-0150A-N1	
RP12	DA-E160310101	NET RESISTOR	33Ω J x4		L100	DA-E062132317	FERRITE BEADS	MLB-160808-0030A-N2	
RP13	DA-E160310101	NET RESISTOR	33Ω J x4		L101	DA-E062132317	FERRITE BEADS	MLB-160808-0030A-N2	
RP14	DA-E160310101	NET RESISTOR	33Ω J x4		L102	DA-E062133008	FERRITE BEADS	MLB-201209-0150A-N1	
RP19	DA-E160310126	NET RESISTOR	100Ω J x4		L104	DA-E062133008	FERRITE BEADS	MLB-201209-0150A-N1	
RP20	DA-E160310126	NET RESISTOR	100Ω J x4		L105	DA-E062132343	FERRITE BEADS	MLB-451616-0060P-N1P	
RP27	DA-E160310101	NET RESISTOR	33Ω J x4		△F001	DA-E054470091	FUSE	125V 7A	
RP29	DA-E160310101	NET RESISTOR	33Ω J x4		P001	DA-E782511015	CONNECTOR		
RP30	DA-E160310138	NET RESISTOR	15Ω J x4		P002	DA-E782511014	CONNECTOR		
RP31	DA-E160310138	NET RESISTOR	15Ω J x4		P003	DA-E782522001	CONNECTOR		
RP32	DA-E160310138	NET RESISTOR	15Ω J x4		P004	DA-E782510014	CONNECTOR		
RP33	DA-E160310138	NET RESISTOR	15Ω J x4		P006	DA-E782510013	CONNECTOR		
RP34	DA-E160310138	NET RESISTOR	15Ω J x4		△P008	DA-E782406000	CONNECTOR		
RP35	DA-E160310138	NET RESISTOR	15Ω J x4		P009	DA-E782510011	CONNECTOR		
RP36	DA-E160310138	NET RESISTOR	15Ω J x4		P012	DA-E782511016	CONNECTOR		
RP37	DA-E160310138	NET RESISTOR	15Ω J x4		P014	DA-E782510010	CONNECTOR		
RP38	DA-E160310126	NET RESISTOR	100Ω J x4		P018	DA-E782511014	CONNECTOR		
RP39	DA-E160310126	NET RESISTOR	100Ω J x4		P019	DA-E782511015	CONNECTOR		
L001	DA-E062132343	FERRITE BEADS	MLB-451616-0060P-N1P		P020	DA-E782522000	CONNECTOR		
L002	DA-E062132343	FERRITE BEADS	MLB-451616-0060P-N1P		P028	DA-E782511016	CONNECTOR		
L003	DA-E062132317	FERRITE BEADS	MLB-160808-0030A-N2		X001	DA-F699122903	CRYSTAL	10MHZ	
L004	DA-E062132343	FERRITE BEADS	MLB-451616-0060P-N1P		X002	DA-F699153630	CRYSTAL	18.432MHZ	
L005	DA-E062132343	FERRITE BEADS	MLB-451616-0060P-N1P		X003	DA-F699106034	CRYSTAL	14.318MHZ	
L006	DA-E062133008	FERRITE BEADS	MLB-201209-0150A-N1		<b>IR SENSOR P.W. BOARD ASS'Y</b>				
L007	DA-E062133008	FERRITE BEADS	MLB-201209-0150A-N1		<b>DA-5098801037 (PWB-0915-PART B-02)</b>				
L008	DA-E062133008	FERRITE BEADS	MLB-201209-0150A-N1		△Ref No.	Part No.	Part Name	Description	Local
L009	DA-E062133008	FERRITE BEADS	MLB-201209-0150A-N1		IR01	DA-F642003904	IC	TSOP48	
L010	DA-E062133008	FERRITE BEADS	MLB-201209-0150A-N1		D001	DA-F618018175	LED	POWER	
L011	DA-E062133008	FERRITE BEADS	MLB-201209-0150A-N1		C021	DA-E218007993	CAPACITOR	100uF 16V M	
L012	DA-E062133008	FERRITE BEADS	MLB-201209-0150A-N1		C026	DA-E230021691	CAPACITOR	4.7uF DC 16V Z	
L013	DA-E062133008	FERRITE BEADS	MLB-201209-0150A-N1		R075	DA-E134210009	RESISTOR	100Ω 1/10W F	
L015	DA-E062133008	FERRITE BEADS	MLB-201209-0150A-N1		P005	DA-E782510011	CONNECTOR		
L016	DA-E062132343	FERRITE BEADS	MLB-451616-0060P-N1P						
L018	DA-E062132317	FERRITE BEADS	MLB-160808-0030A-N2						
L019	DA-E062133008	FERRITE BEADS	MLB-201209-0150A-N1						
L021	DA-E062132343	FERRITE BEADS	MLB-451616-0060P-N1P						
L022	DA-E062132343	FERRITE BEADS	MLB-451616-0060P-N1P						
L023	DA-E062132343	FERRITE BEADS	MLB-451616-0060P-N1P						
L024	DA-E062143500	COIL	CHK-435						
L025	DA-E062142500	FERRITE BEADS	CHK-425						
L026	DA-E062132343	FERRITE BEADS	MLB-451616-0060P-N1P						
L027	DA-E062133008	FERRITE BEADS	MLB-201209-0150A-N1						
L028	DA-E062132343	FERRITE BEADS	MLB-451616-0060P-N1P						
L032	DA-E062133008	FERRITE BEADS	MLB-201209-0150A-N1						
L034	DA-E062133008	FERRITE BEADS	MLB-201209-0150A-N1						
L036	DA-E062133008	FERRITE BEADS	MLB-201209-0150A-N1						
L038	DA-E062133008	FERRITE BEADS	MLB-201209-0150A-N1						
L041	DA-E062132343	FERRITE BEADS	MLB-451616-0060P-N1P						

**AV JACK P.W. BOARD ASS'Y**  
**DA-098801038 (PWB-0916-PART B-02)**

△Ref No.	Part No.	Part Name	Description	Local
Z601	DA-F615002361	Z DIODE	MMSZ5231B	
Z602	DA-F615002361	Z DIODE	MMSZ5231B	
Z603	DA-F615002361	Z DIODE	MMSZ5231B	
Z604	DA-F615002361	Z DIODE	MMSZ5231B	
Z605	DA-F615002361	Z DIODE	MMSZ5231B	
Z606	DA-F615002361	Z DIODE	MMSZ5231B	
Z607	DA-F615002361	Z DIODE	MMSZ5231B	
Z608	DA-F615002361	Z DIODE	MMSZ5231B	
Z609	DA-F615002361	Z DIODE	MMSZ5231B	
Z610	DA-F615002361	Z DIODE	MMSZ5231B	
Z611	DA-F615002361	Z DIODE	MMSZ5231B	
Z612	DA-F615002361	Z DIODE	MMSZ5231B	
Z613	DA-F615002361	Z DIODE	MMSZ5231B	
Z614	DA-F615002361	Z DIODE	MMSZ5231B	
Z615	DA-F615002361	Z DIODE	MMSZ5231B	
Z617	DA-F615002361	Z DIODE	MMSZ5231B	
Z619	DA-F615002361	Z DIODE	MMSZ5231B	
Z621	DA-F615002361	Z DIODE	MMSZ5231B	
Z622	DA-F615002361	Z DIODE	MMSZ5231B	
Z623	DA-F615002361	Z DIODE	MMSZ5231B	
Z624	DA-F615002361	Z DIODE	MMSZ5231B	
Z625	DA-F615002361	Z DIODE	MMSZ5231B	
C601	DA-E230016791	CAPACITOR	10uF 10V	
C602	DA-E230016791	CAPACITOR	10uF 10V	
C603	DA-E240633091	CAPACITOR	33pF 50V	
C604	DA-E240633091	CAPACITOR	33pF 50V	
C605	DA-E230016791	CAPACITOR	10uF 10V	
C606	DA-E230016791	CAPACITOR	10uF 10V	
C607	DA-E240633091	CAPACITOR	33pF 50V	
C608	DA-E240633091	CAPACITOR	33pF 50V	
C609	DA-E230016791	CAPACITOR	10uF 10V	
C610	DA-E240633091	CAPACITOR	33pF 50V	
C611	DA-E230016791	CAPACITOR	10uF 10V	
C612	DA-E230016791	CAPACITOR	10uF 10V	
C613	DA-E240633091	CAPACITOR	33pF 50V	
C614	DA-E240633091	CAPACITOR	33pF 50V	
C617	DA-E240633091	CAPACITOR	33pF 50V	
C618	DA-E240633091	CAPACITOR	33pF 50V	
C622	DA-E230016791	CAPACITOR	10uF 10V	
C624	DA-E240633091	CAPACITOR	33pF 50V	
C627	DA-E230016791	CAPACITOR	10uF 10V	
C631	DA-E240633091	CAPACITOR	33pF 50V	
C634	DA-E230016791	CAPACITOR	10uF 10V	
C635	DA-E240633091	CAPACITOR	33pF 50V	
R604	DA-E134275099	RESISTOR	75Ω F	
R605	DA-E134275099	RESISTOR	75Ω F	
R606	DA-E134622209	RESISTOR	2.2kΩ	
R607	DA-E134275099	RESISTOR	75Ω F	
R612	DA-E134275099	RESISTOR	75Ω F	
R613	DA-E134275099	RESISTOR	75Ω F	
R617	DA-E134275099	RESISTOR	75Ω F	
L601	DA-E062132317	FERRITE BEADS	MLB-160808-0030A-N2	
L602	DA-E062132317	FERRITE BEADS	MLB-160808-0030A-N2	
L603	DA-E062132317	FERRITE BEADS	MLB-160808-0030A-N2	
L604	DA-E062132317	FERRITE BEADS	MLB-160808-0030A-N2	
L605	DA-E062132317	FERRITE BEADS	MLB-160808-0030A-N2	
L606	DA-E062132317	FERRITE BEADS	MLB-160808-0030A-N2	
L607	DA-E062132317	FERRITE BEADS	MLB-160808-0030A-N2	
L610	DA-E062132317	FERRITE BEADS	MLB-160808-0030A-N2	
L612	DA-E062132317	FERRITE BEADS	MLB-160808-0030A-N2	
L617	DA-E062132317	FERRITE BEADS	MLB-160808-0030A-N2	
L619	DA-E062132317	FERRITE BEADS	MLB-160808-0030A-N2	
P601	DA-E782502000	CONNECTOR		
P602	DA-E782402000	S JACK	VIDEO1 S-IN	
P603	DA-E782404005	AV JACK	VIDEO1 V IN	
P604	DA-E782404006	AV JACK	VIDEO1 L IN	
P605	DA-E782404003	AV JACK	VIDEO1 R IN	
P606	DA-E782404007	AV JACK	VIDEO2 COMP-Y IN	
P607	DA-E782404009	AV JACK	VIDEO2 COMP-Pb IN	
P608	DA-E782404008	AV JACK	VIDEO2 COMP-Pr IN	
P609	DA-E782404006	AV JACK	VIDEO2 L IN	
P610	DA-E782404003	AV JACK	VIDEO2 R IN	

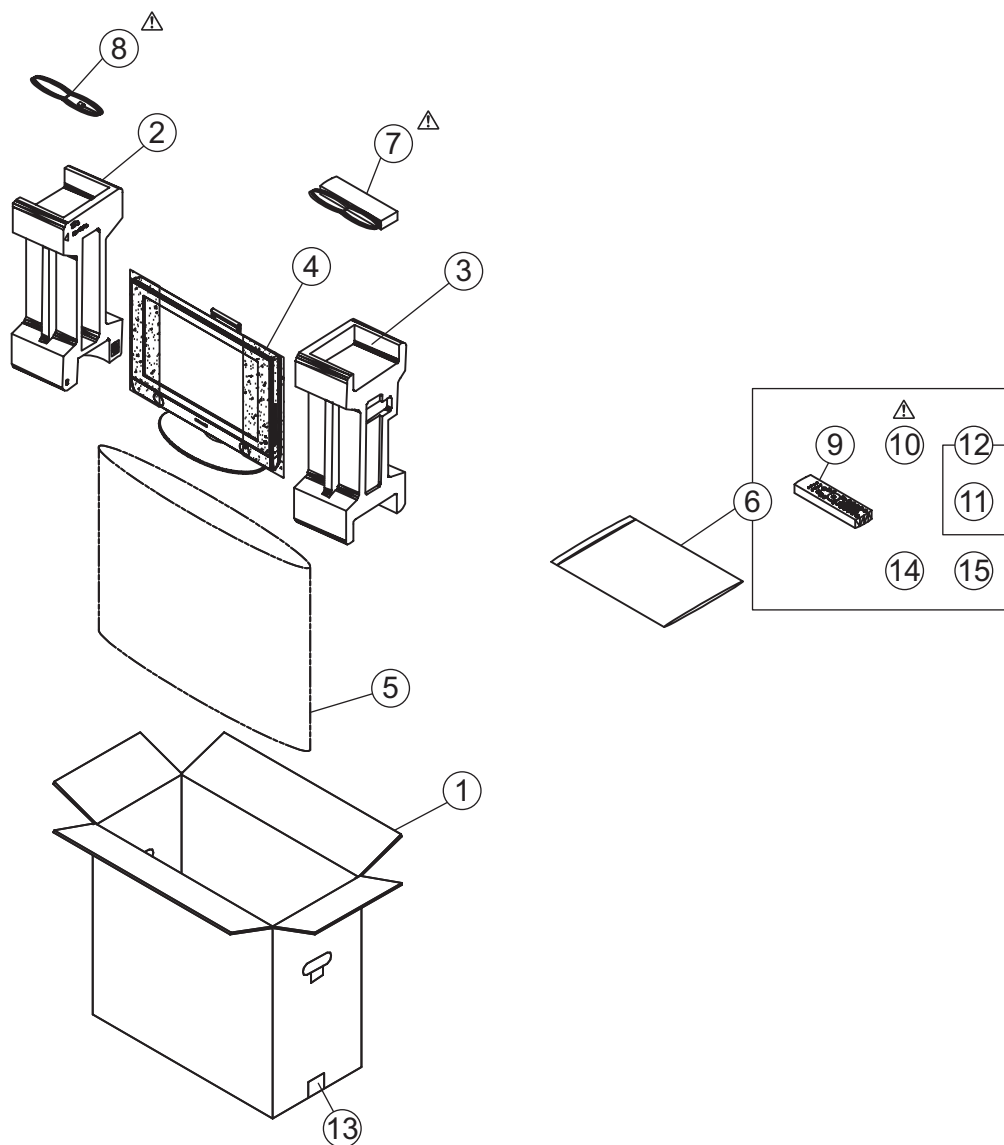
**FRONT CONTROL P.W. BOARD ASS'Y**  
**DA-5098801039 (PWB-0916-PART B-02)**

△Ref No.	Part No.	Part Name	Description	Local
R602	DA-E142127195	RESISTOR	270Ω 1/6W	
R603	DA-E142127195	RESISTOR	270Ω 1/6W	
P611	DA-E782510014	CONNECTOR		
P612	DA-E782510012	CONNECTOR		
P613	DA-E782510012	CONNECTOR		
P614	DA-E782405000	3.5 JACK	HEADPHONE	
S601	DA-E054513070	TACT SWITCH	CH-	
S602	DA-E054513070	TACT SWITCH	CH+	
S603	DA-E054513070	TACT SWITCH	VOL-	
S604	DA-E054513070	TACT SWITCH	VOL+	
S605	DA-E054513070	TACT SWITCH	MENU	
S606	DA-E054513070	TACT SWITCH	INPUT	
S607	DA-E054513070	TACT SWITCH	POWER	

**TUNER P.W. BOARD ASS'Y**  
**DA-5098801040 (PWB-0916-PART C-02)**

△Ref No.	Part No.	Part Name	Description	Local
C615	DA-E218007993	CAPACITOR	100uF 16V	
C616	DA-E230622391	CAPACITOR	22nF	
C619	DA-E230622391	CAPACITOR	22nF	
C620	DA-E218007893	CAPACITOR	10uF 16V	
C621	DA-E218007993	CAPACITOR	100uF 16V	
R608	DA-E134600009	RESISTOR	0Ω	
R609	DA-E134610409	RESISTOR	100kΩ	
R610	DA-E134600009	RESISTOR	0Ω	
R614	DA-E134600009	RESISTOR	0Ω	
R615	DA-E134600009	RESISTOR	0Ω	
L609	DA-E062132343	FERRITE BEADS	HH-1H4516-600	
P615	DA-E782502001	CONNECTOR		
P616	DA-E782400016	CONNECTOR	PAL JACK	
U601	DA-E052110022	TUNER	TUNER	

# PACKING



## PACKING PARTS LIST

△	Ref.No.	Part No.	Part Name	Description	Local
	1	DA-I513390756	CARTON BOX		
	2	DA-I523390156	CUSHION(L)		
	3	DA-I523390256	CUSHION(R)		
	4	DA-I533399956	POLY BAG	For SET(x2)	
	5	DA-I533399856	POLY BAG	For SET	
	6	DA-I533389756	POLY BAG	For ACCESSORIS	
△	7	DA-E061370348	AC ADAPTER		
△	8	DA-E056706170	POWER CORD		LT-23AX5
△	8	DA-E056706198	POWER CORD		LT-23AX5/A
△	8	DA-E056706169	POWER CORD		LT-23AX5/S
	9	DA-E052731048	REMOCON UNIT	RM-C1860	
△	10	DA-E030057175	INST BOOK		
	11	-----	WARRANTY CARD		LT-23AX5/A
	12	-----	POLY BAG	For WARRANTY CARD	LT-23AX5/A
	13	DA-I560125013	OPP TAPE		
	14	-----	BATTERY	(x2)	
	15	DA-E056513200	PLUG ADAPTER		LT-23AX5